OPERATING LIMITS

Flow rates up to:	**68 m3/h***
Heads up to:	**19 m**
Max. service pressure:	**10 bar**
Temperature range:	**-20° à + 130°C****
Max. ambient temperature:	**+ 50°C*****
DN of ports:	**32 à 100**

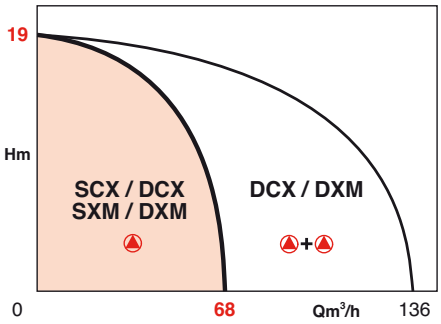
*136 m3/h : with both heads operating in parallel
** except models 80-110N & 80-150N = 110°C
*** 40°C if fluid temperature >120°C

SCX-DCX - SXM-DXM

SINGLE AND TWIN-HEAD CIRCULATORS

Commercial heating & air conditioning

2 pole - 50 Hz



APPLICATIONS

- Commercial central heating in housing, office buildings, greenhouses, swimming pools, farms, etc.
- Air conditioning.
- Boiler recycling.
- Primary loop, exchanger or heater, in secondary hot water system.

All new or renovated installations.

ADVANTAGES

- **Versatile circulators designed for use in heating, air conditioning, and secondary hot water circuits.**
- **Cataphoresis coating of pumphousing for a better resistance to corrosion.**
- **Dual-voltage motors, 230-400 V. Except models 80-110N and 80-150N = 400V.**
- **Built-in thermal overload protection of motor.**
- **Redesigned casing for better performance and even quieter operation.**
- **New impeller profile for optimum efficiency.**
- **Lower energy consumption.**
- **Automatic venting of rotor chamber.**

DCX-DXM

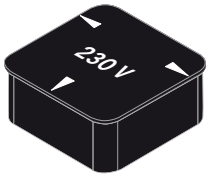
- **Standby pump available at all times.**
- **Possibility of operating the two pumps in parallel, for lower purchase and operating costs.**

- DCX (three-phase)

- SCX (three-phase)

- SXM (Single-phase)

- DXM (Single-phase)



- Speed selector 3~230 V (accessories)

SCX-DCX - SXM-DXM

DESIGN

• Pump

- Flanged casing*, in-line ports.
- Bosses on rear for wall mounting**.
- Flanges fitted with pressure gauge ports.
- New impeller profile.

* threaded ports on model SCX 32-80.
** drilling on request

Twin-head models (DCX-DXM)

- Twin pumps in a single casing.
- Hydraulic separation by double flap valve on discharge end.

• Motors

- 2 pole, voltages according to European standards.
- Wet rotor, self-lubricating soft bearings.

Single-phase :

- 2 speeds by plug-in selector switch, built-in capacitor.

Three-phase:

- dual voltage*, 3 speeds by plug-in selector switch coupled to voltage

Speeds : see table
Windings 1-phase : 230 V
3-phase : 230-400 V*
Frequency : 50 Hz (60 Hz on request)
Protection index : IP44
Insulating category : H
EC conformity : CE
EMC conformity : - emission : EN 61000-6-3
- immunity : EN 61000-6-2
(except SCX 80-110N & 80-150N, DCX 80-110N & 80-150N)

STANDARD CONSTRUCTION

Main parts	Material
Pump casing	Cast iron EN-GJL-250
Impeller	Composite PP-50%GF
Shaft	SS X46Cr13
Rotor can	SS
Soft bearings	Graphite
Casing gasket	Ethylene-Propylene

IDENTIFICATION

SCX 65-25

SCX: single pump, 3-phase
DCX: twin pump, 3-phase
SXM: single pump, 1-phase
DXM: twin pump, 1-phase

DN of ports (mm)

Total manometric head (dm) nominal flow

THE 2 POLE CIRCULATOR LINES

• SCX - DCX

Single and twin-head circulators
- Threaded G2 and ND 40 to 100.
- Three-phase, dual voltage 230-400V* motors.
- Voltages according to European standards.
- Three-speed motors by plug-in manual selector switch.
- Built-in thermal overload protection.
- 17 single head models.
- 16 twin-head models.

* Except models 80-110N & 80-150N = 3~ 400V

• SXM - DXM

Single and twin-head circulators
- Threaded G2 and ND 40 to 80.
- Single-phase 230 V, winding motors with built-in capacitor.
- Voltages according to European standards.
- Two-speed motors by plug-in manual selector switch.
- Built-in thermal overload protection.
- 10 single head models.
- 10 twin-head models.

MIN. SUCTION PRESSURE (m w.c.) ACCORDING TO OPERATING TEMPERATURE

MODELS	3-phase		1-phase		50°C	95°C	110°C	130°
	SCX	DCX	SXM	DXM				
32-80	•	•	•	•	0,5mCE	5mCE	11mCE	24mCE
40-40	•	•	•	•	0,5mCE	5mCE	11mCE	24mCE
40-80	•	•	•	•	0,5mCE	5mCE	11mCE	24mCE
40-110	•	•	•	•	0,5mCE	5mCE	11mCE	24mCE
50-25	•	•	•	•	3mCE	10mCE	16mCE	29mCE
50-50	•	•	•	•	3mCE	10mCE	16mCE	29mCE
50-90	•	•	•	•	3mCE	10mCE	16mCE	29mCE
50-110	•	•	–	–	3mCE	10mCE	16mCE	29mCE
65-25	•	•	•	•	3mCE	10mCE	16mCE	29mCE
65-50	•	•	•	•	3mCE	10mCE	16mCE	29mCE
65-90	•	•	–	–	3mCE	10mCE	16mCE	29mCE
65-110	•	•	–	–	3mCE	10mCE	16mCE	29mCE
80-25	•	•	•	•	3mCE	10mCE	16mCE	29mCE
80-50	•	•	–	–	3mCE	10mCE	16mCE	29mCE
80-110	•	•	–	–	9mCE	18mCE	23mCE	–
80-150	•	•	–	–	9mCE	18mCE	23mCE	–
100-50	•	–	–	–	3mCE	10mCE	16mCE	29mCE

NB: At high altitudes, add 0.60 m for every 500 m. (10.2 m w.c. = 1 bar)

SCX-DCX - SXM-DXM

COMPETITIVE CHANGES

• Three-phase motor terminal box

• Connection to 3~ 230 V*

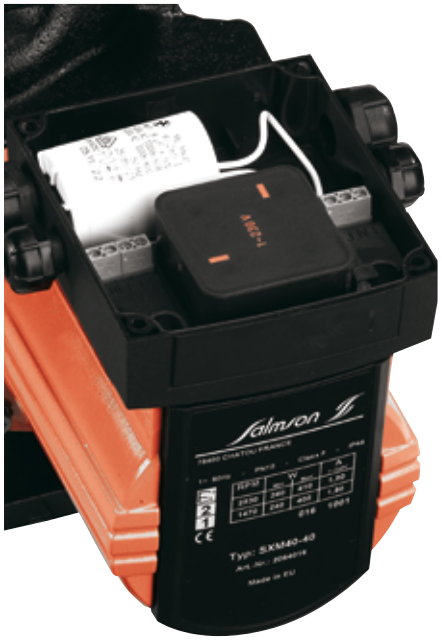
• Rotor-shaft

- The hollow shaft ensures a circulation of water that allows automatic venting and lubrication.
- Permanent venting of the rotor chamber, eliminating manual air bleed when starting.
- Continuous lubrication of the rear soft bearing.
- No more blockage of shaft.

• Impeller

- New profile for high efficiency, lower energy consumption and noise reduction.

• Single-phase, 2 pole motor



• Three-phase, 2 pole motor

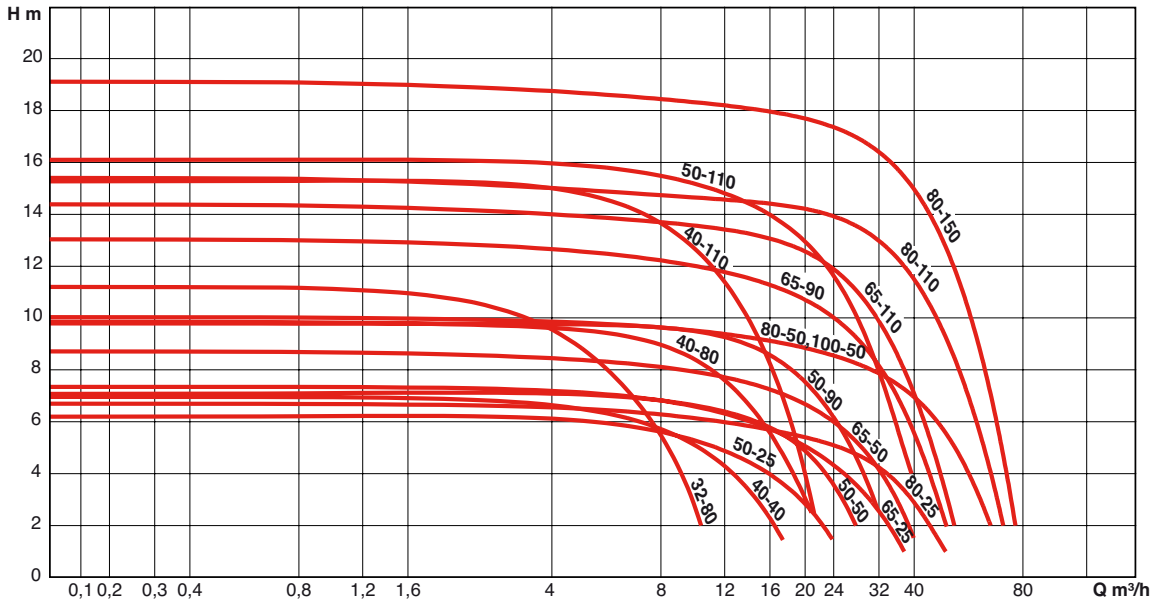
- Dual-voltage, 3-phase 230-400V*
- With plug-in speed selector coupled to operating voltage (see opposite).
- Built-in thermal overload probe protects winding at all speeds by external relay.
- New, more attractive terminal box.
- Electrical connections via terminal box, cable glands on right or left side.
- Display of rotation direction of motor, speed selected, and operating voltage.
- New data plate with information about all electrical values of the installed circulator.
- Very quiet motors.

* except models 80-110N & 80-150N = 3~ 400V

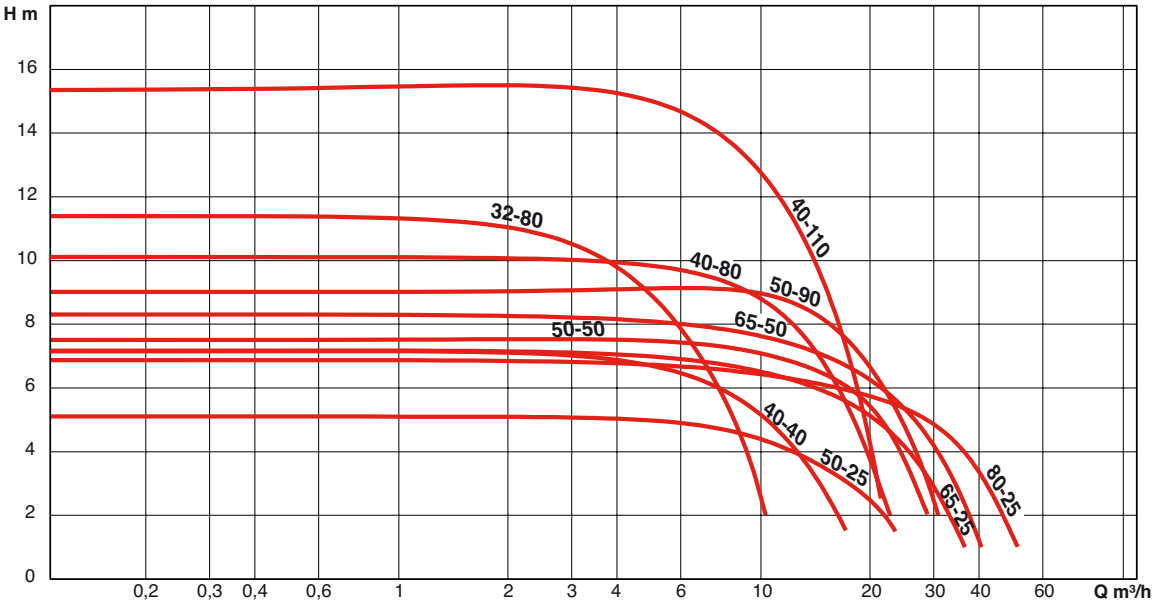
SCX-DCX - SXM-DXM

GENERAL SELECTION GRAPHS AT MAXIMUM SPEED

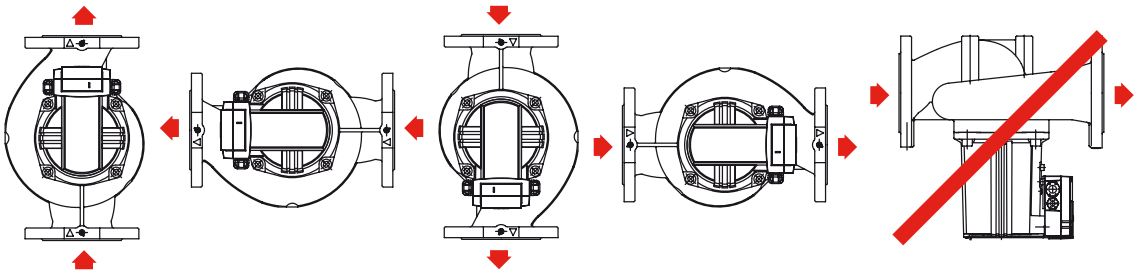
SCX`
2 POLE
3-PHASE
50 Hz



SXM
2 POLE
1-PHASE
50 Hz

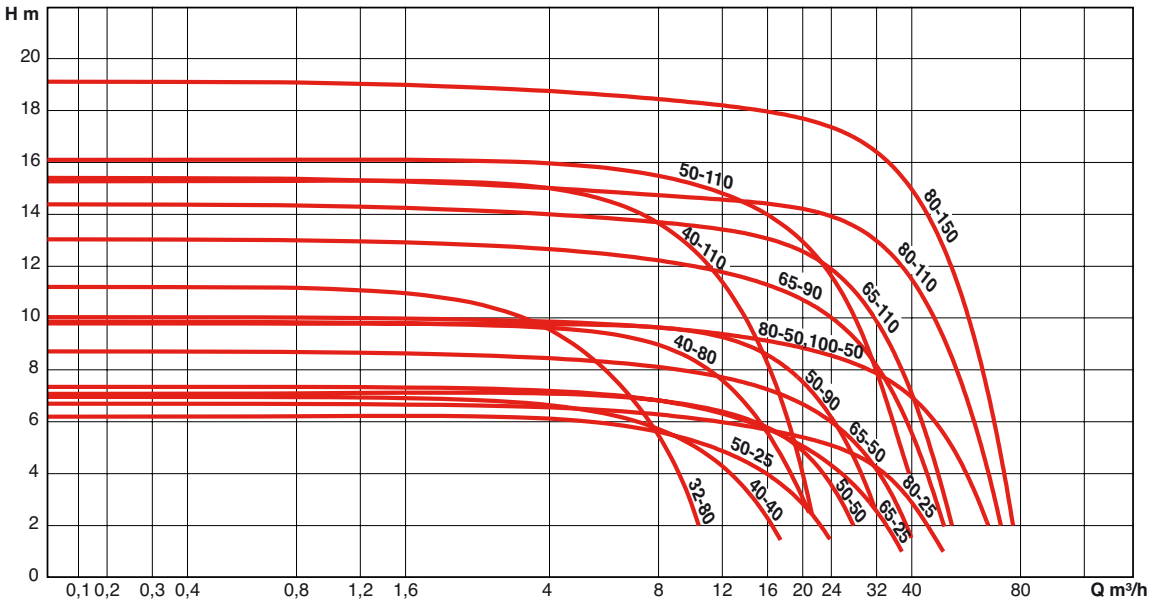


MOUNTING POSITION

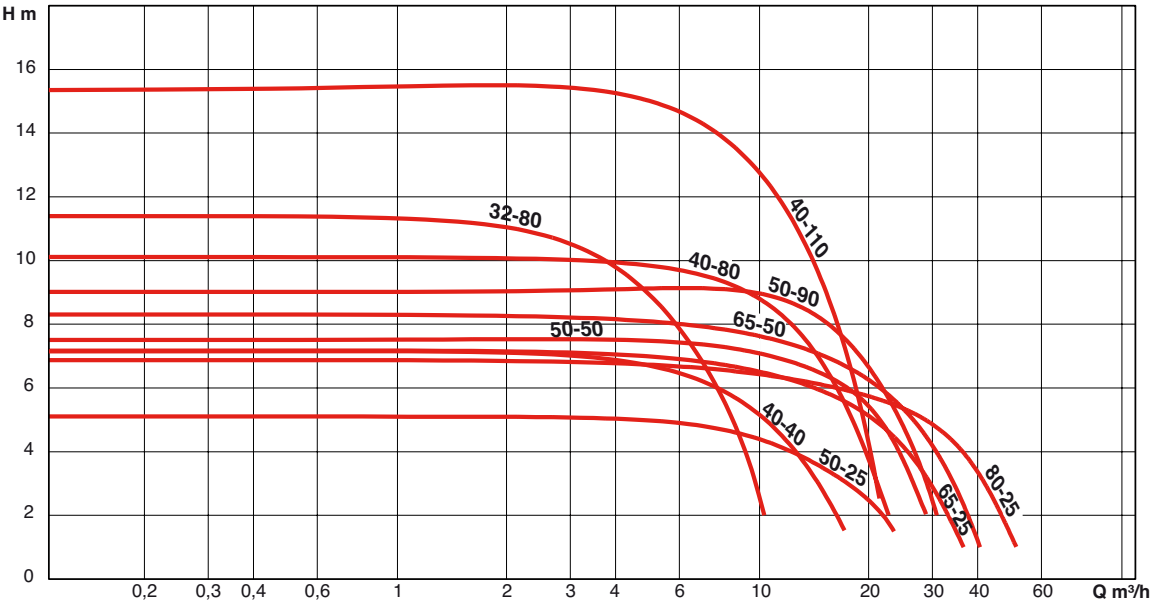


GENERAL SELECTION GRAPHS AT MAXIMUM SPEED

DCX
2 POLE
3-PHASE
50 Hz



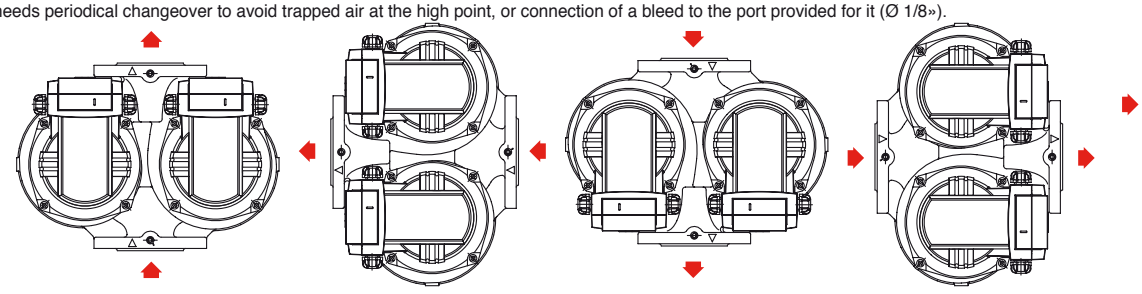
DXM
2 POLE
1-PHASE
50 Hz



MOUNTING POSITION

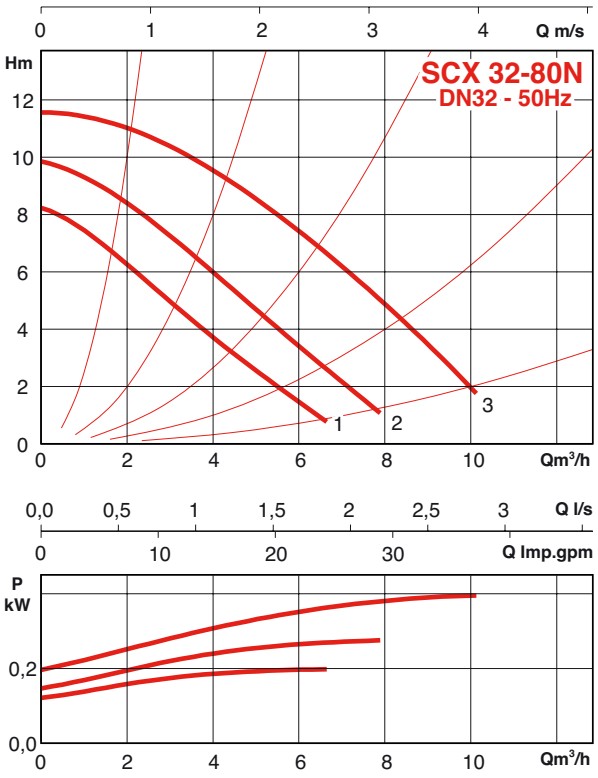
(A): possible mounting, but needs periodical changeover to avoid trapped air at the high point, or connection of a bleed to the port provided for it (Ø 1/8»).

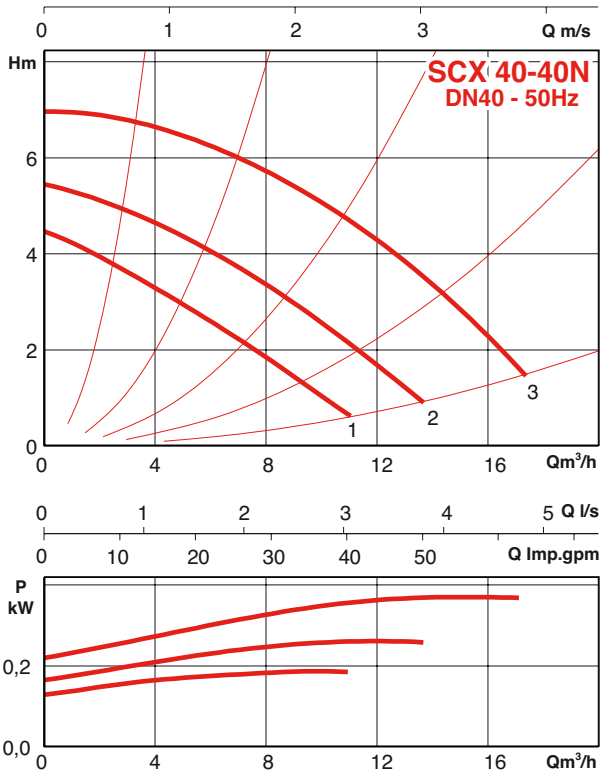
(B): Do not use with chilled water.

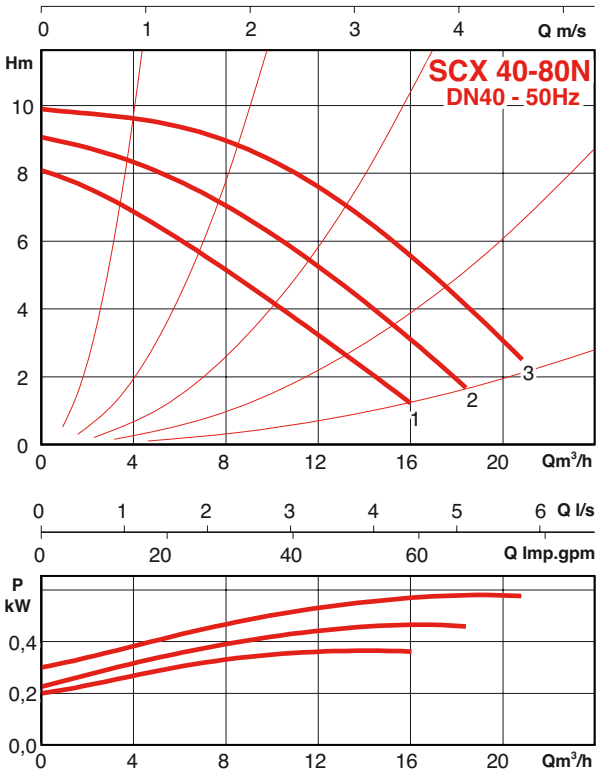


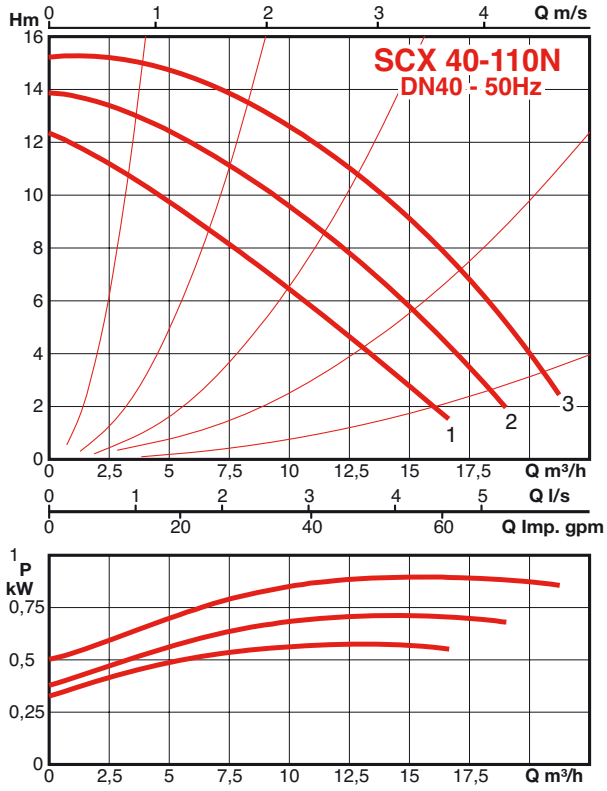
SCX-DCX - SXM-DXM

SCX - SINGLE CIRCULATORS - 2 POLE - THREE-PHASE 50 HZ

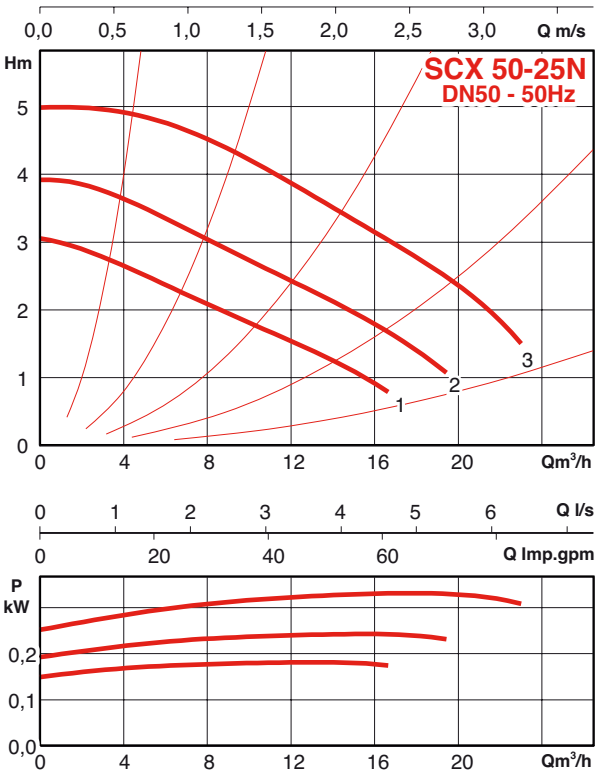


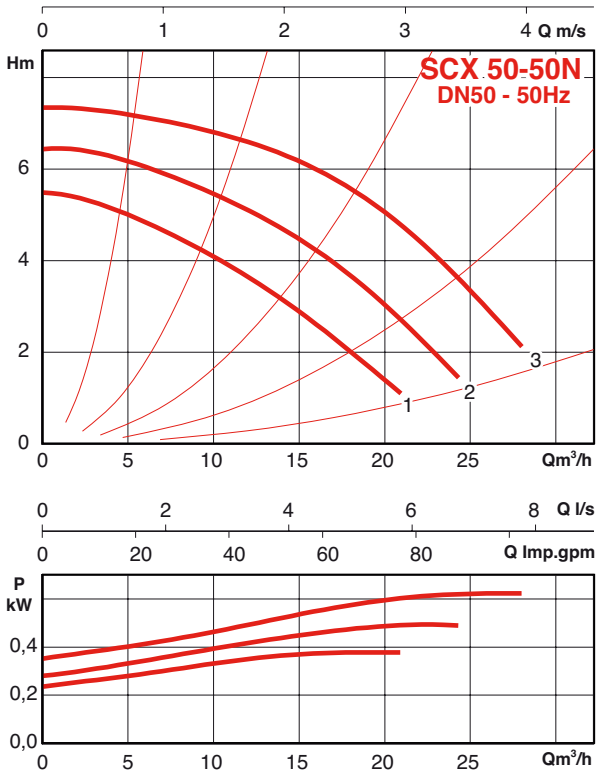


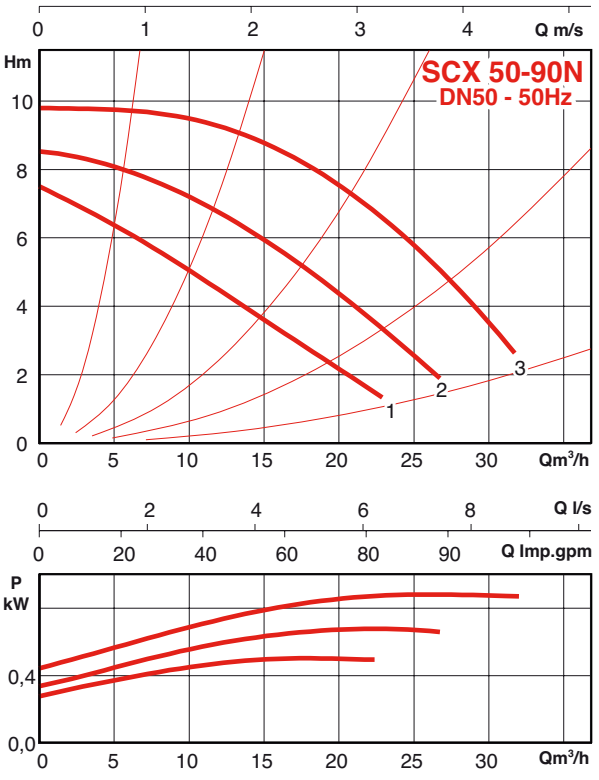


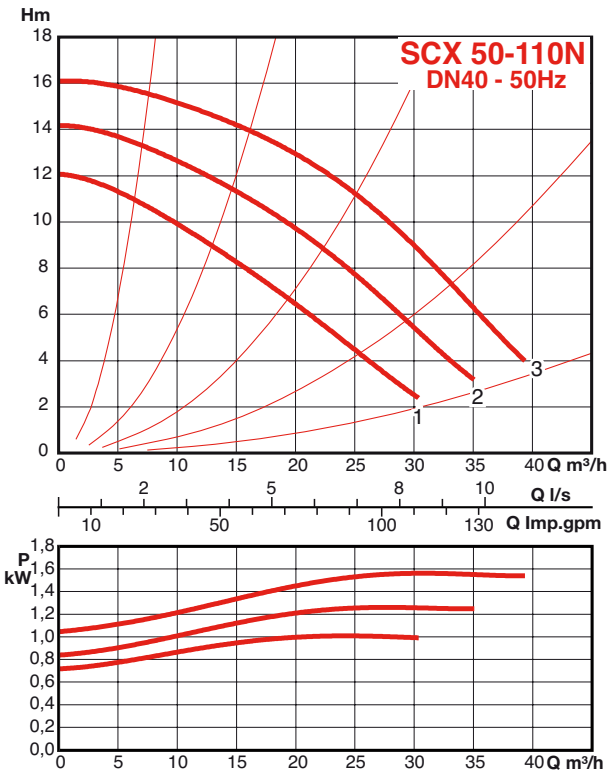


SCX - SINGLE CIRCULATORS - 2 POLE - THREE-PHASE 50 HZ



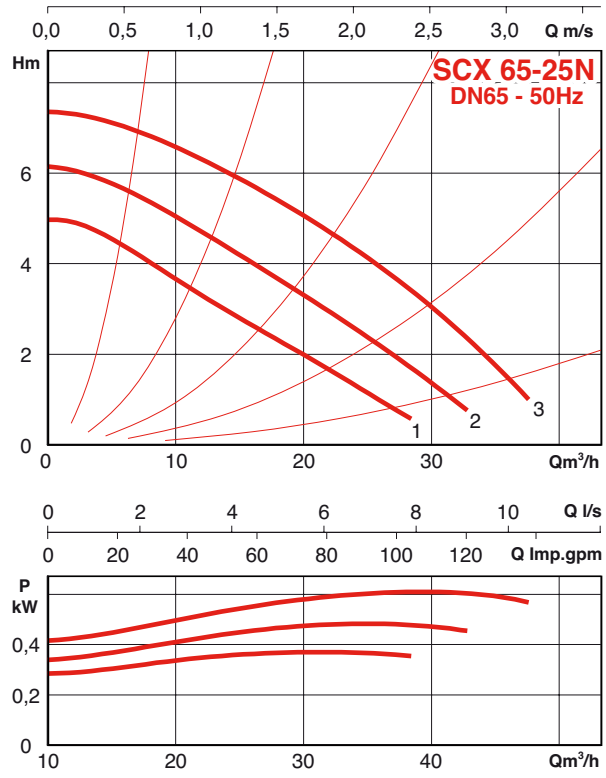


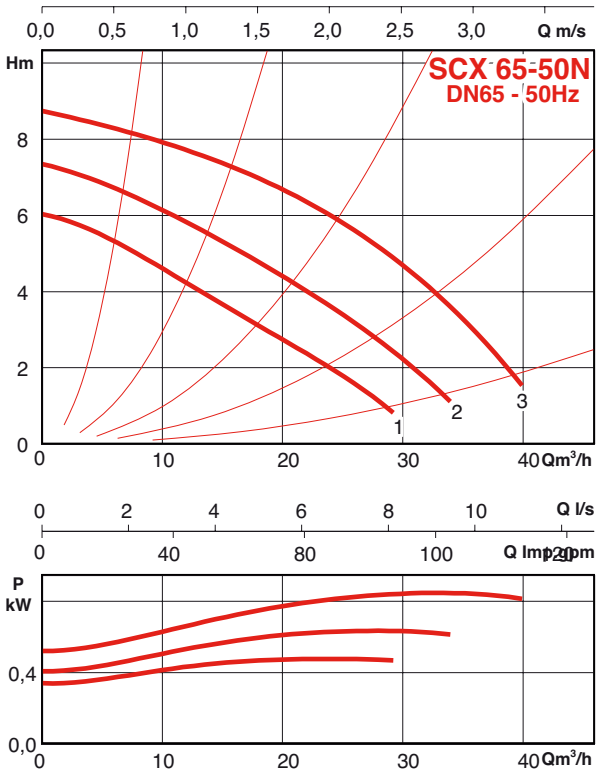


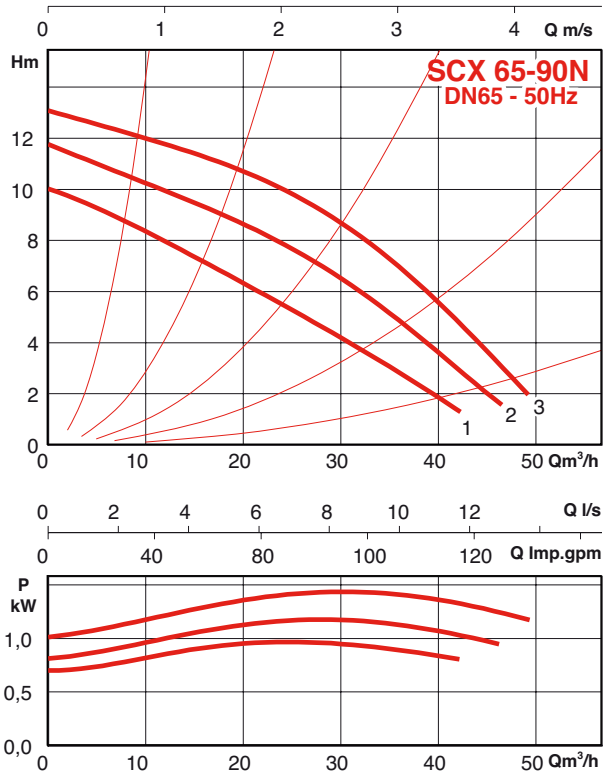


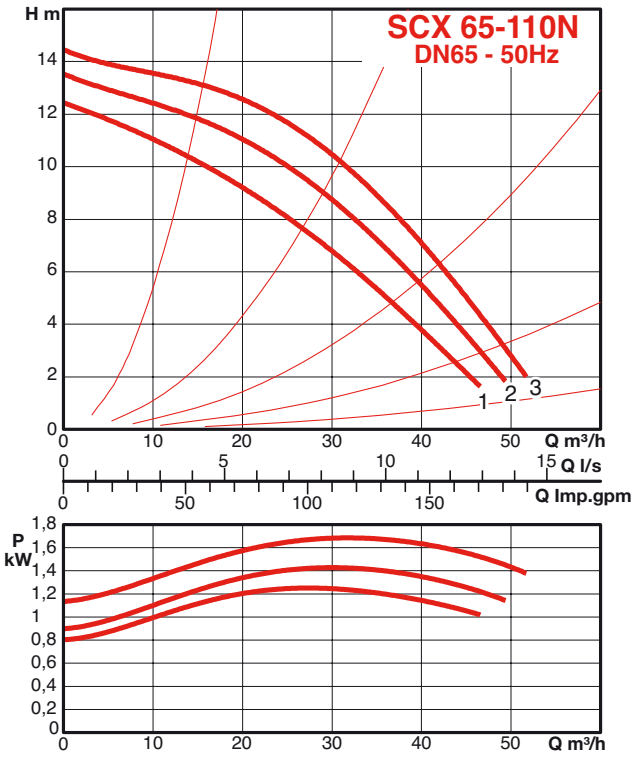
SCX-DCX - SXM-DXM

SCX - SINGLE CIRCULATORS - 2 POLE - THREE-PHASE 50 HZ

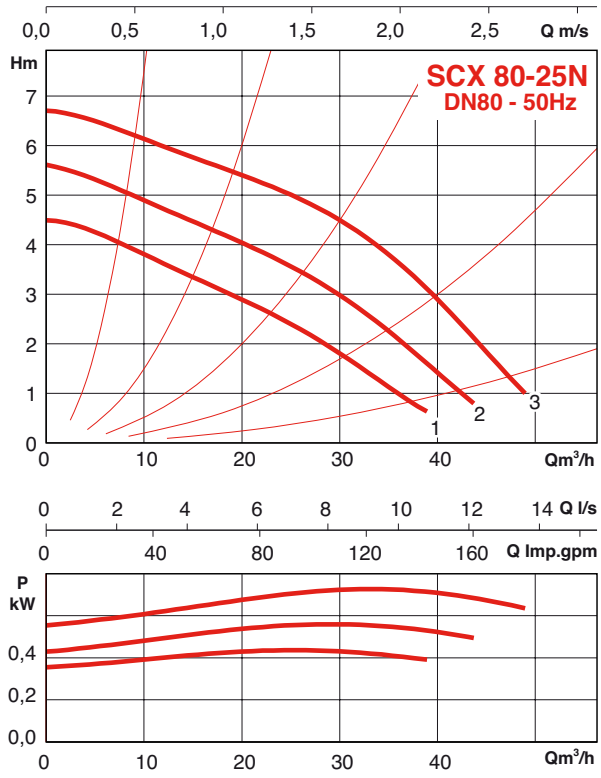


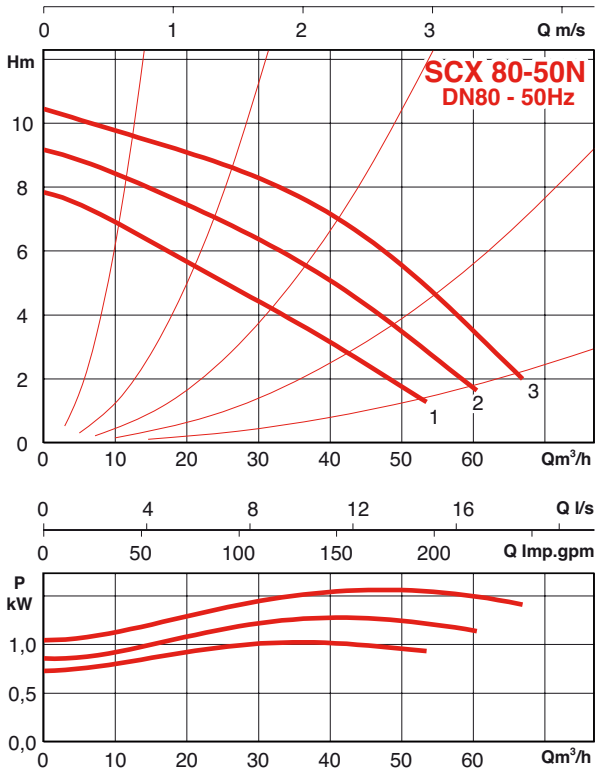


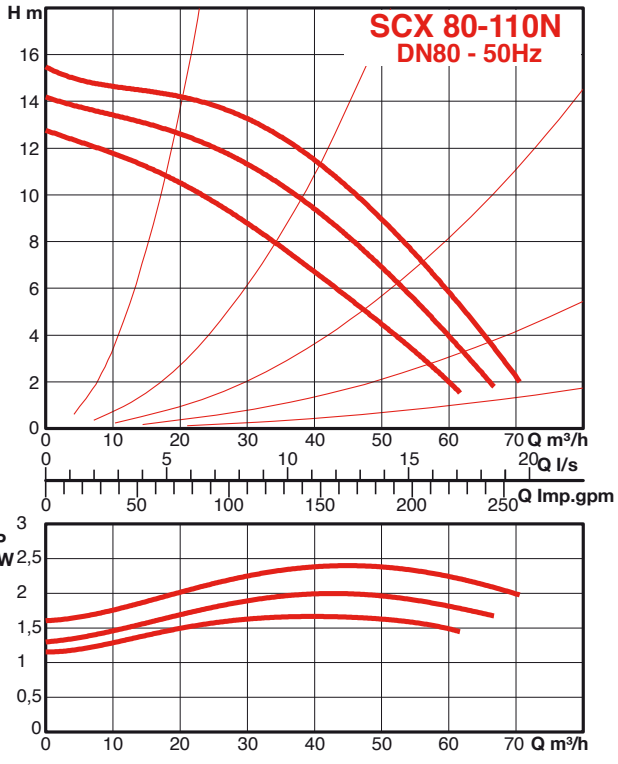


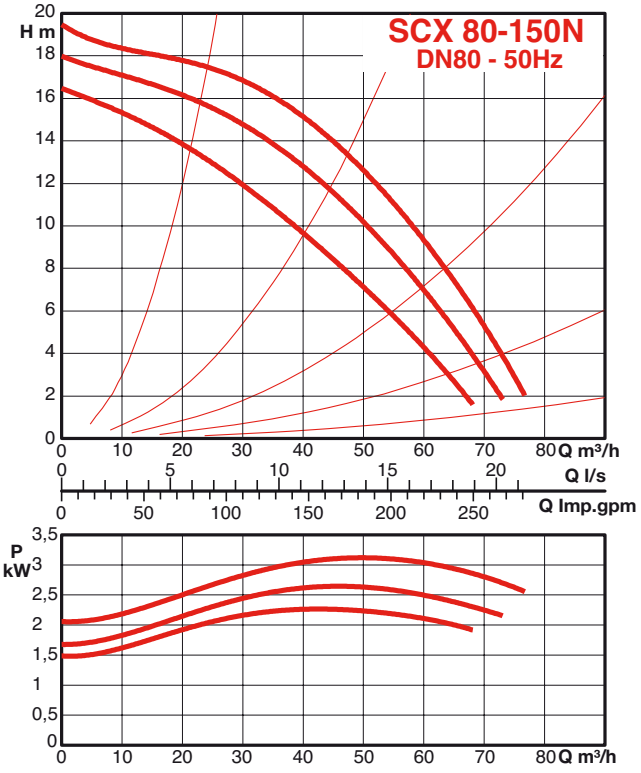


SCX - SINGLE CIRCULATORS - 2 POLE - THREE-PHASE 50 HZ



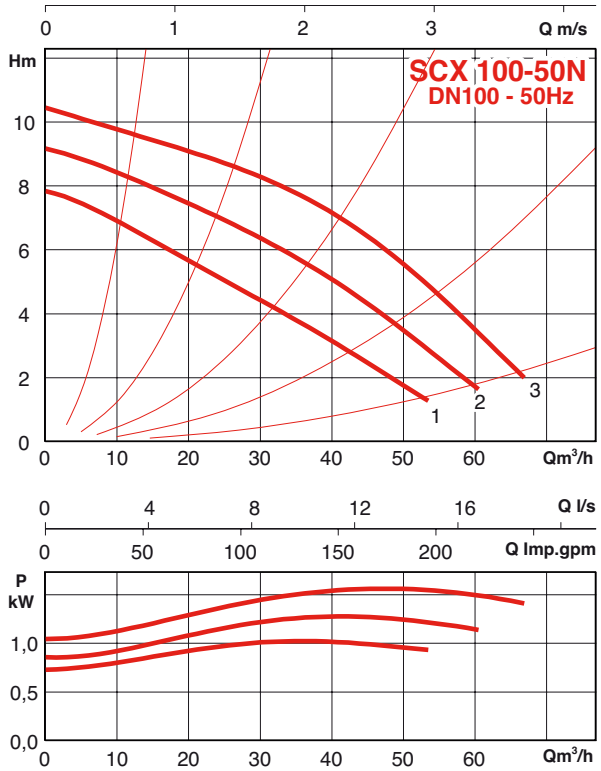




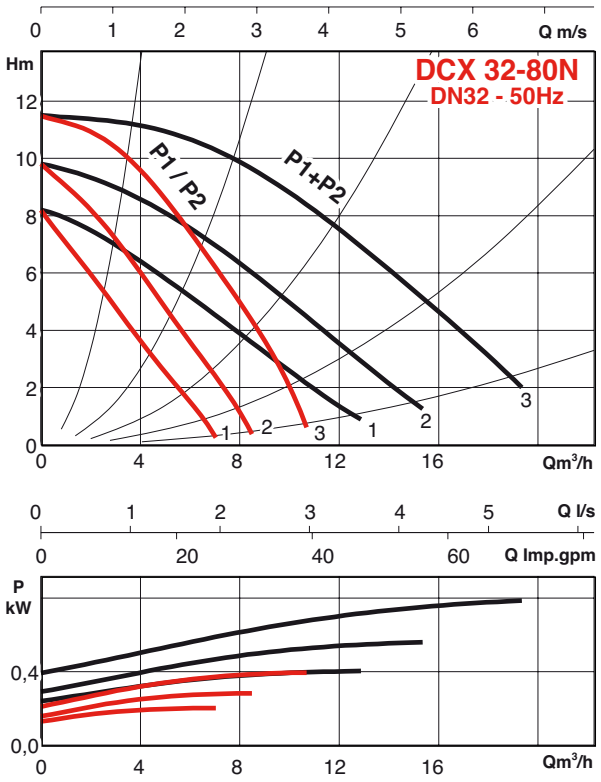


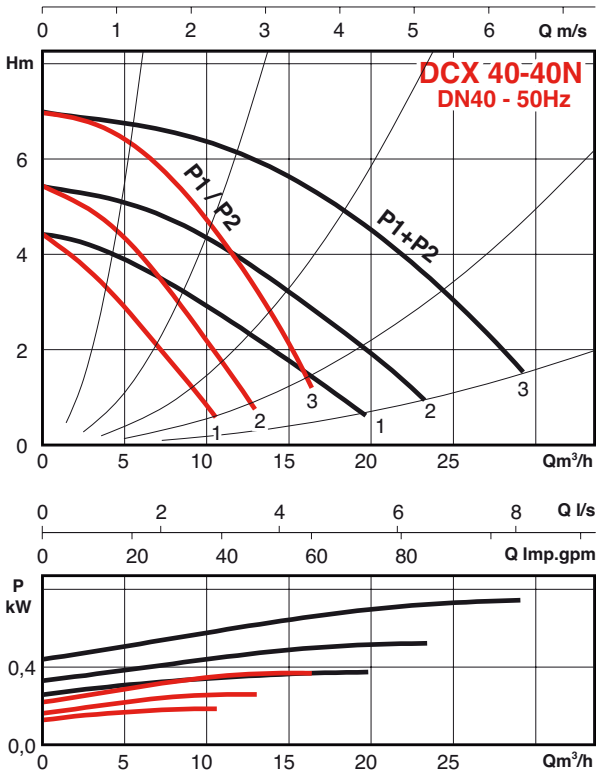
SCX-DCX - SXM-DXM

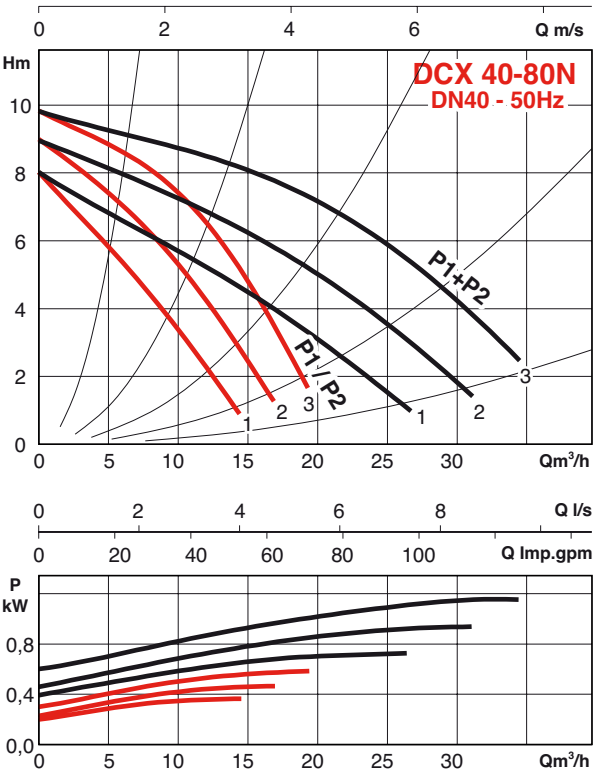
SCX - SINGLE CIRCULATORS - 2 POLE - THREE-PHASE 50 HZ

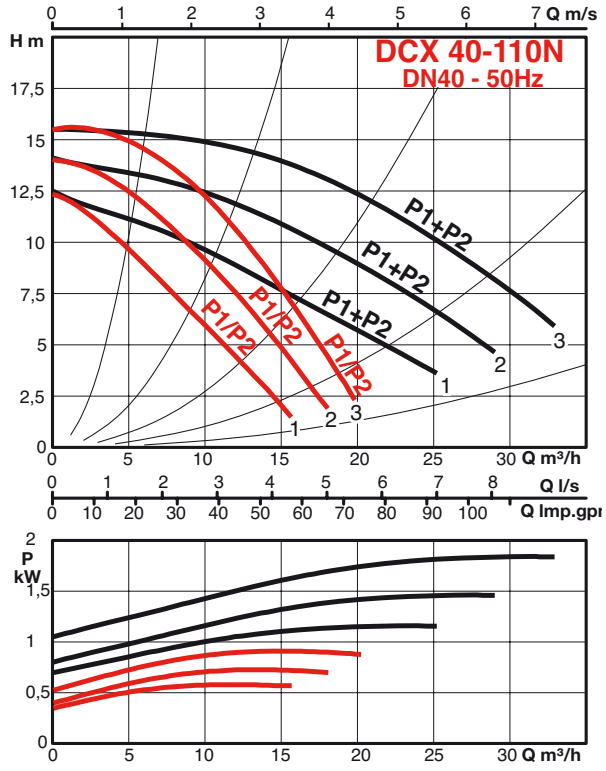


DCX - TWIN CIRCULATORS - 2 POLE - THREE-PHASE 50 HZ



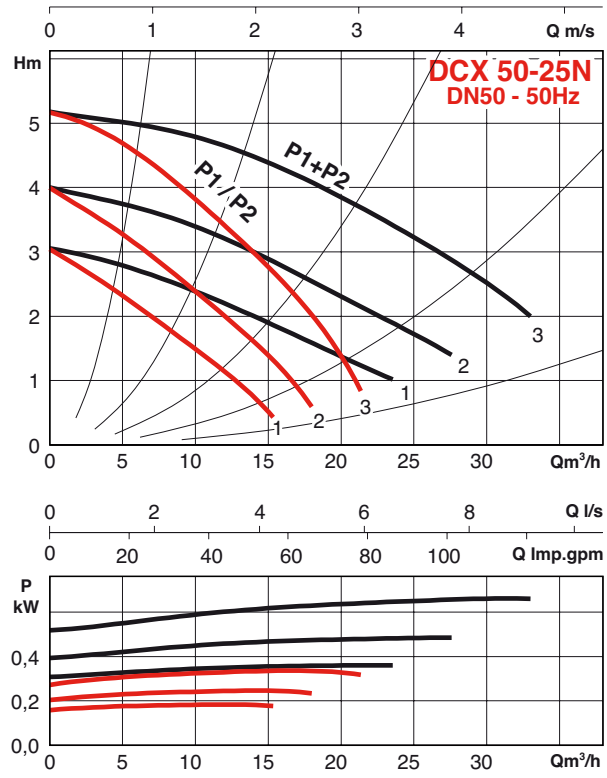


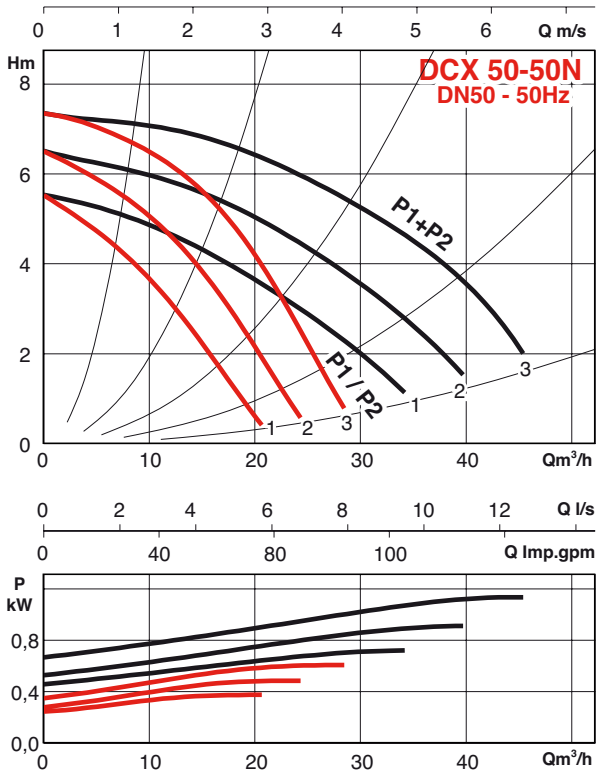


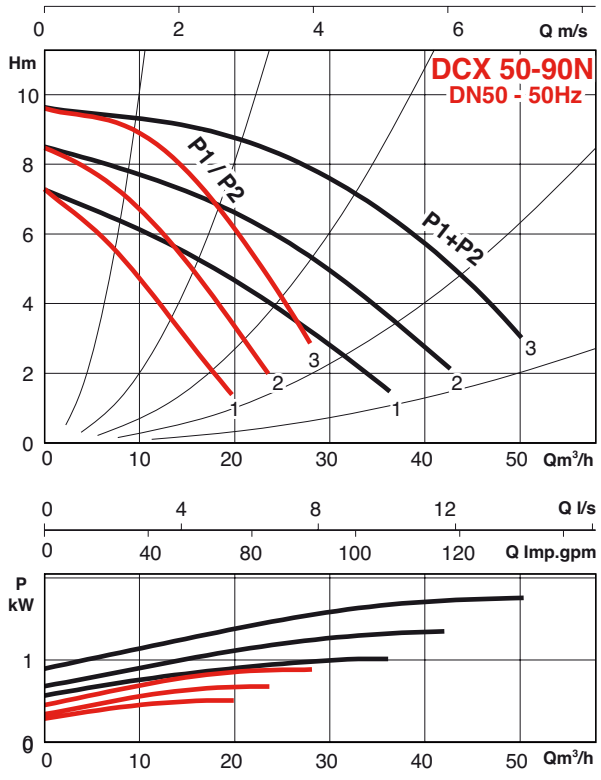


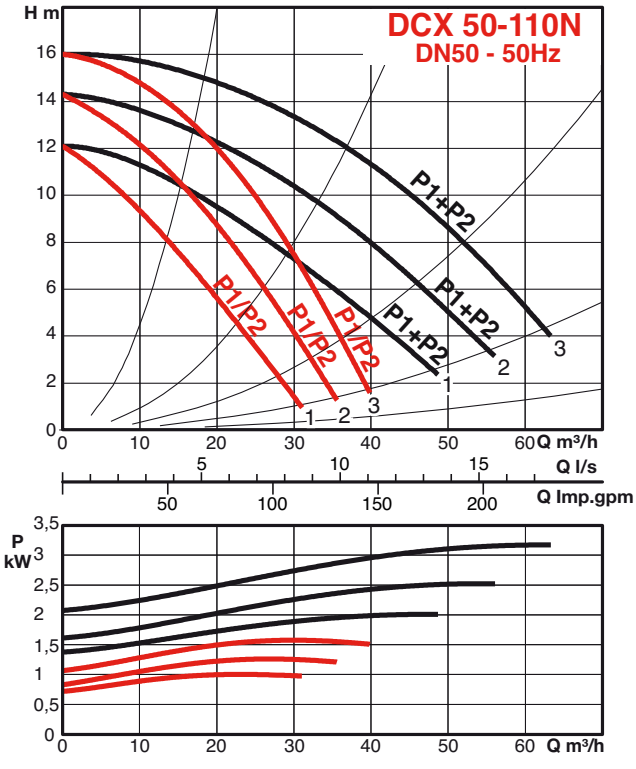
SCX-DCX - SXM-DXM

DCX - TWIN CIRCULATORS - 2 POLE - THREE-PHASE 50 HZ

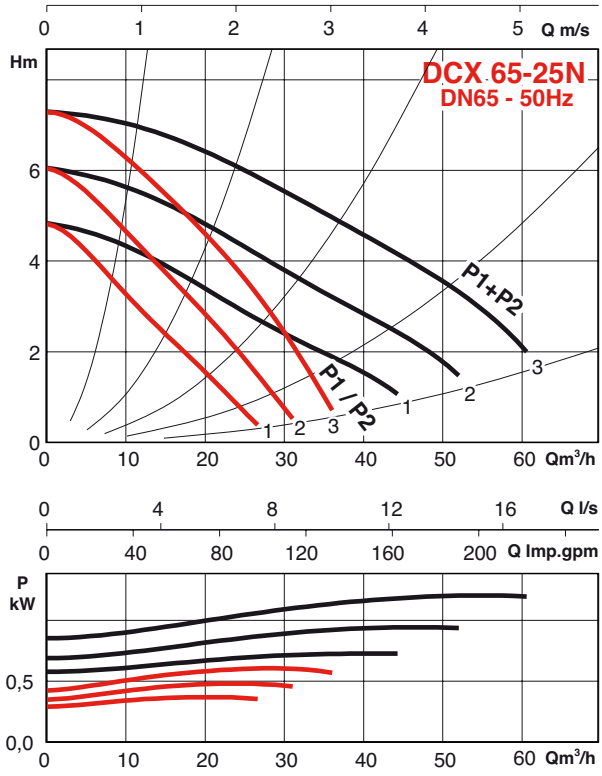


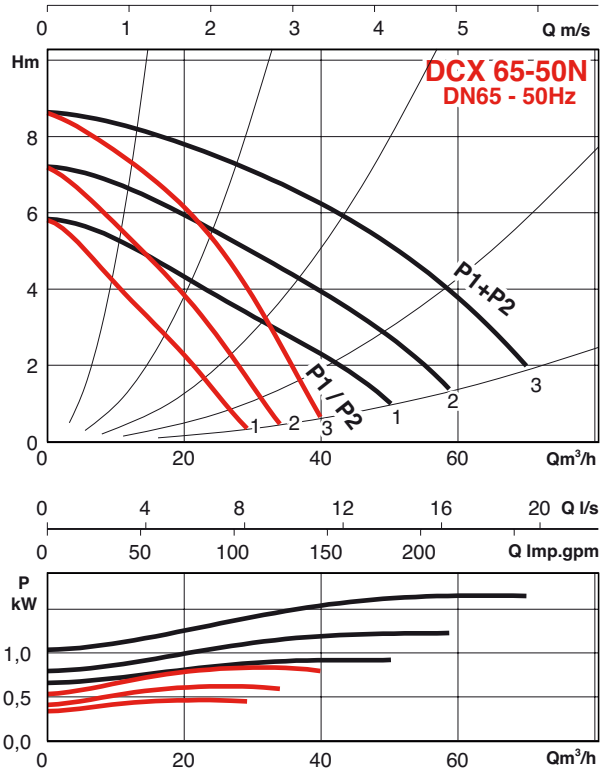


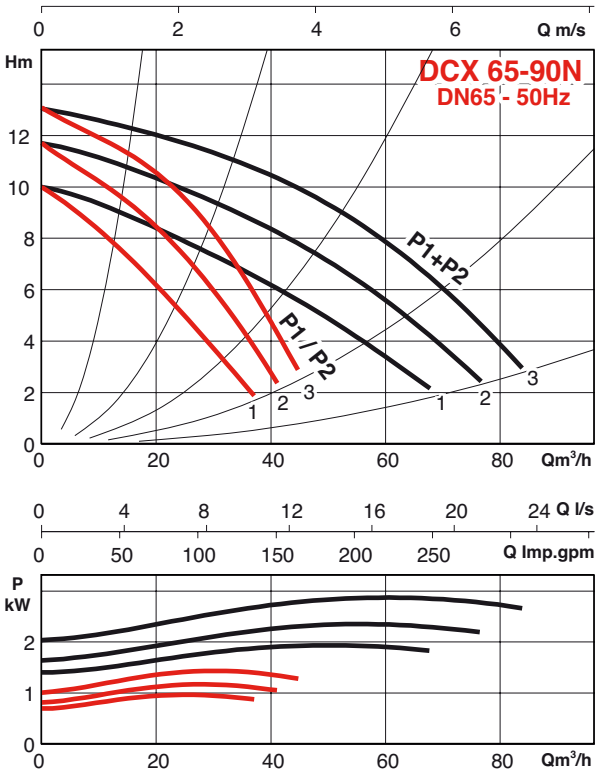


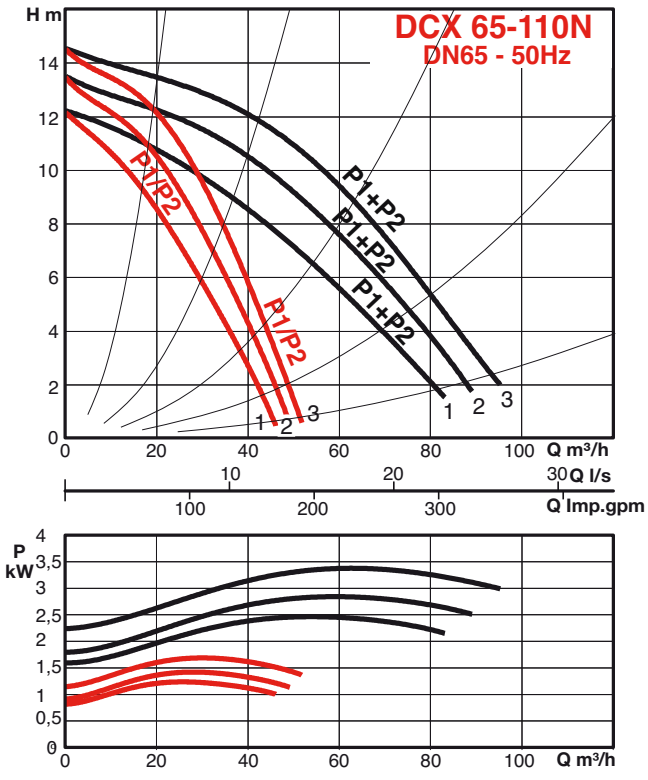


DCX - TWIN CIRCULATORS - 2 POLE - THREE-PHASE 50 HZ



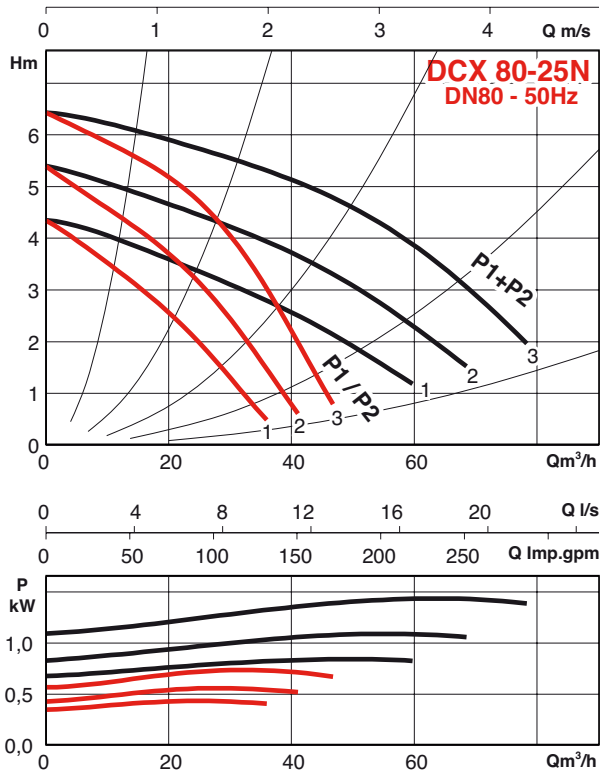


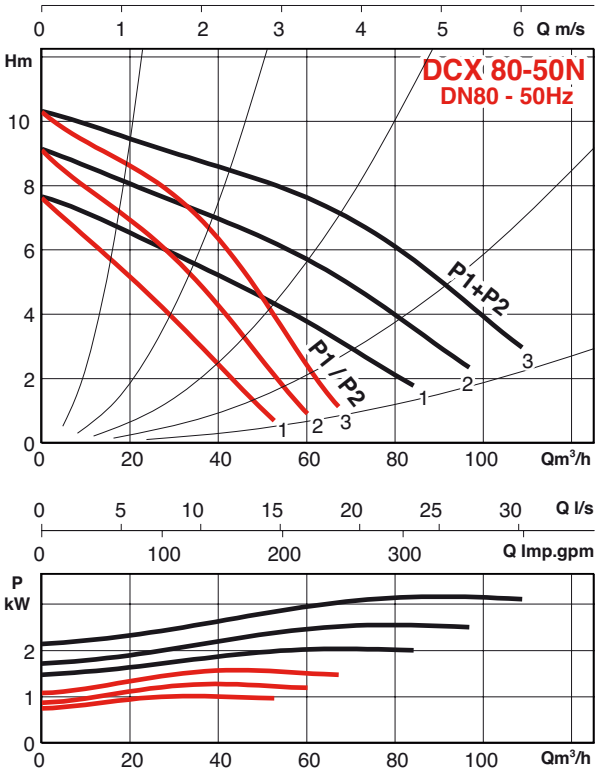


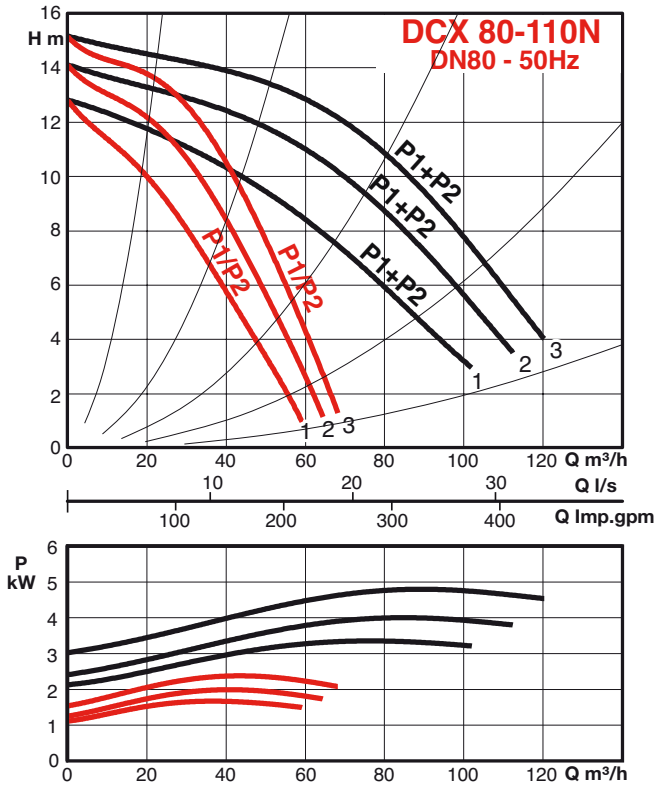


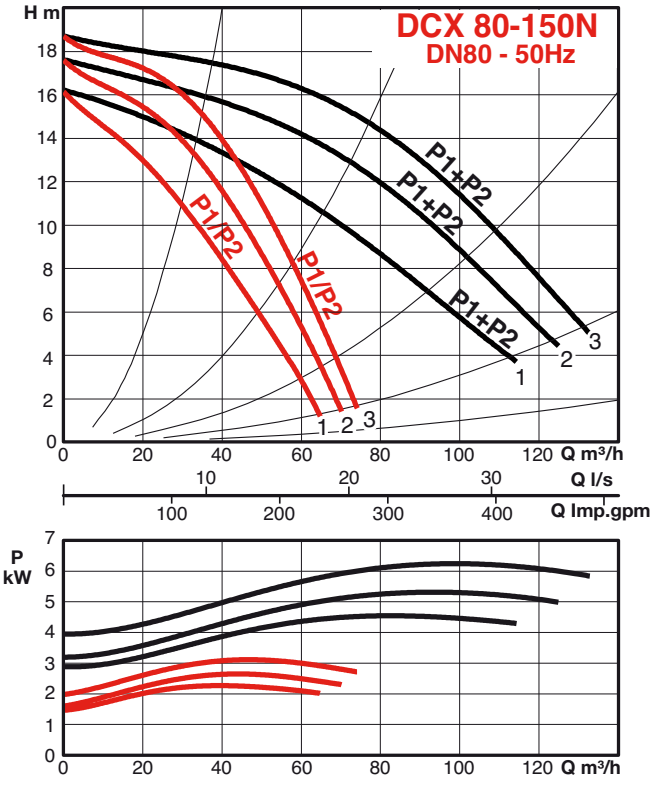
SCX-DCX - SXM-DXM

DCX - TWIN CIRCULATORS - 2 POLE - THREE-PHASE 50 HZ









NB: The hydraulic curves above and on the previous pages give the hydraulic characteristics for one head in operation (P1 or P2) and for both heads in parallel (P1 + P2).

OPERATION

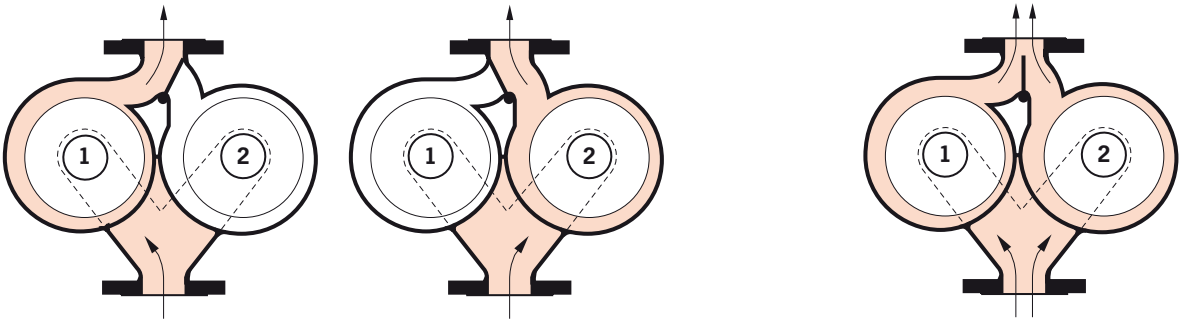
• Alternating operation

pump 1 or pump 2 in operation

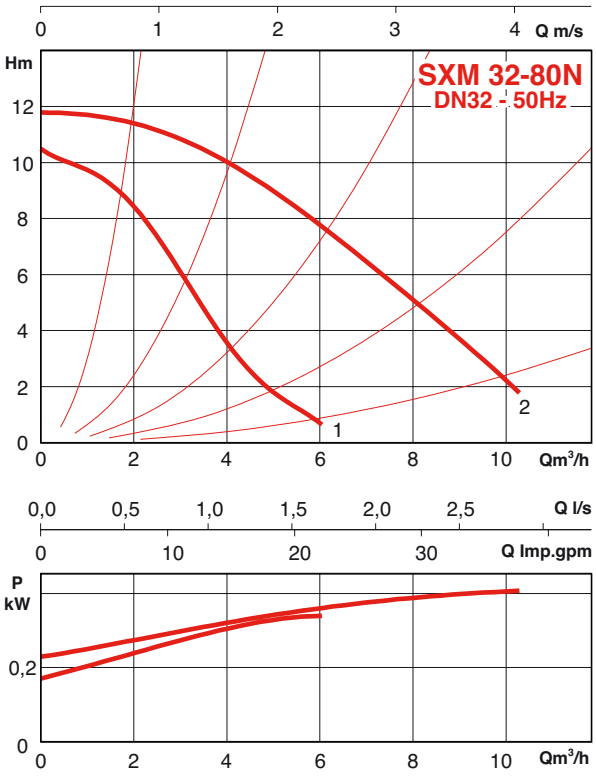
One head on standby ensures operating reliability with no stoppage of the installation

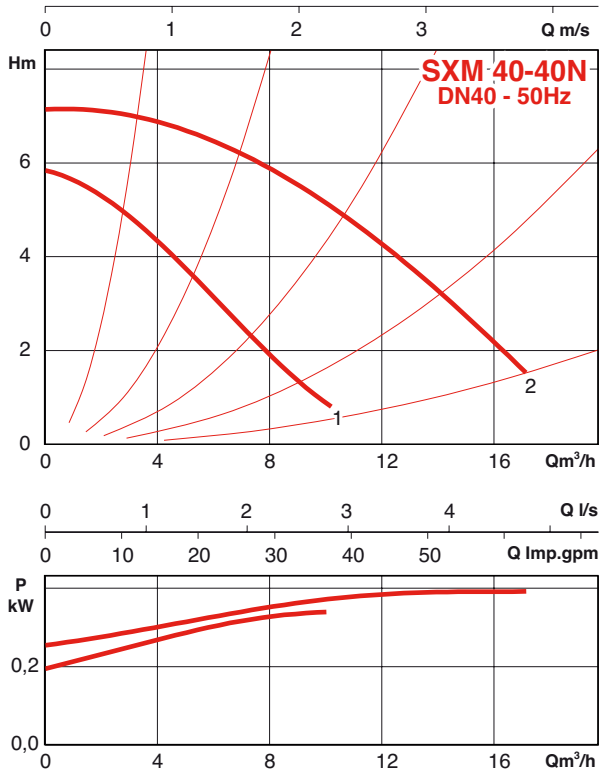
Operation of the pumps programmed and switched over by control box.

• Parallel operation



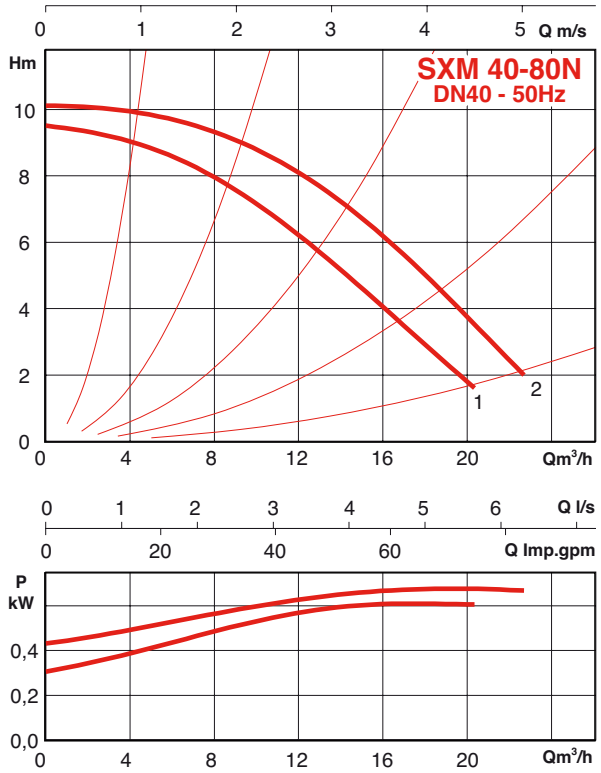
SXM - SINGLE CIRCULATORS - 2 POLE - SINGLE-PHASE 50 HZ

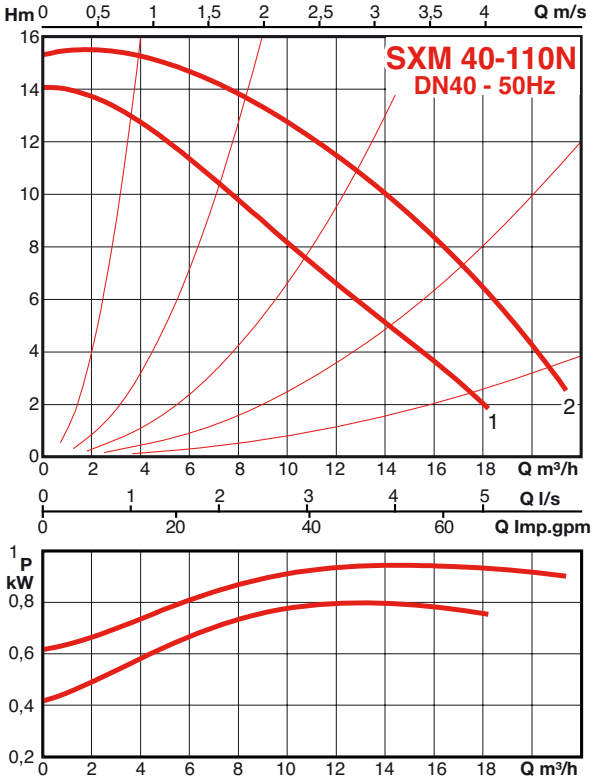


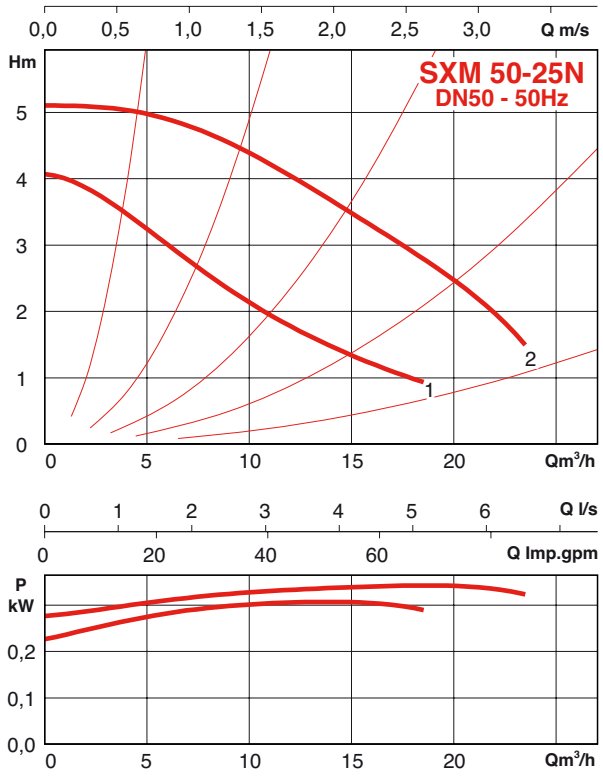


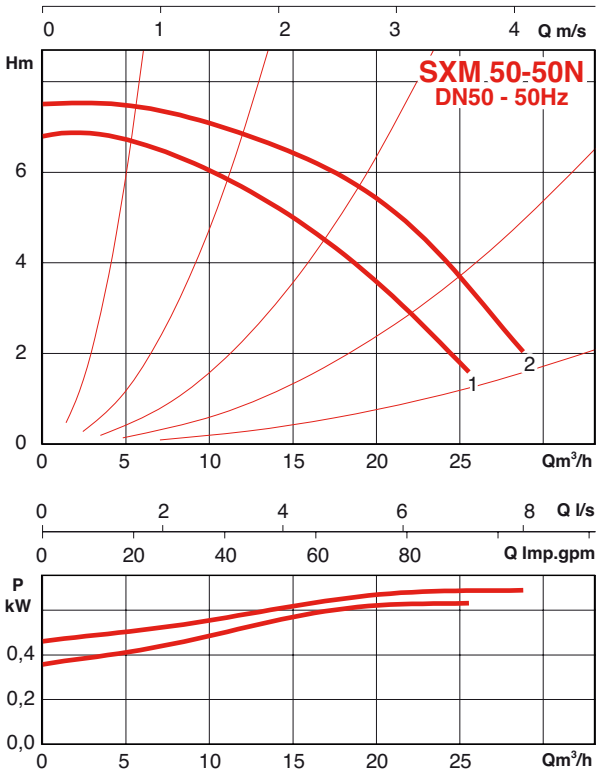
SCX-DCX - SXM-DXM

SXM - SINGLE CIRCULATORS - 2 POLE - SINGLE-PHASE 50 HZ

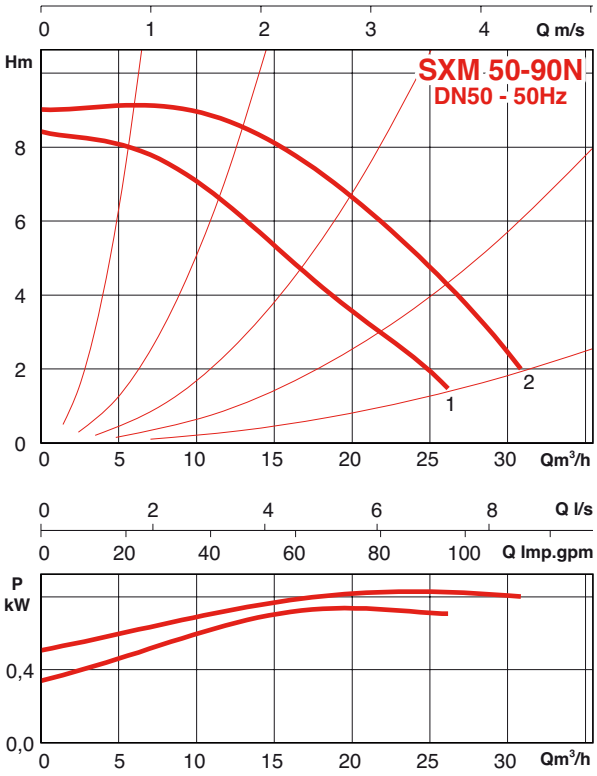


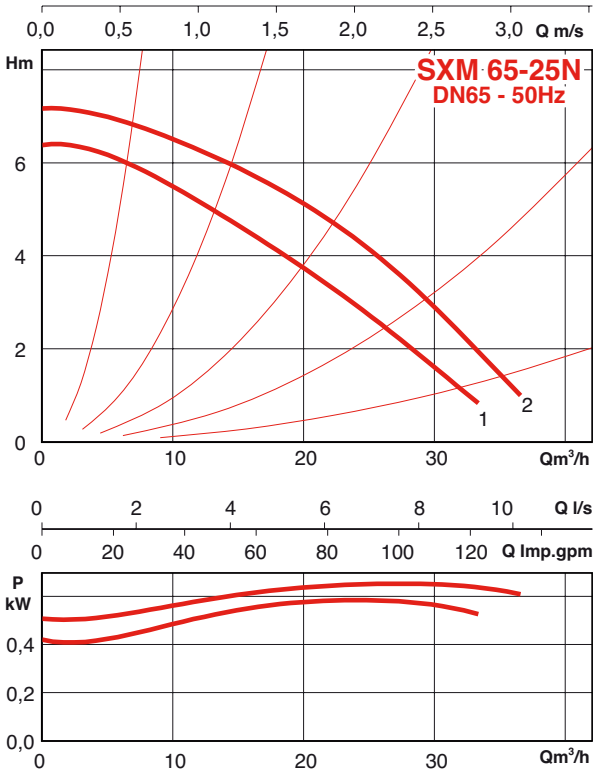


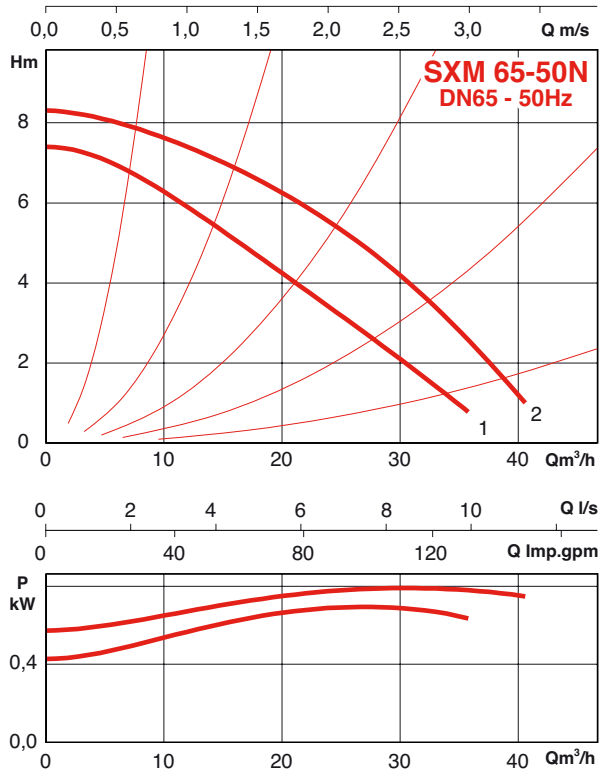


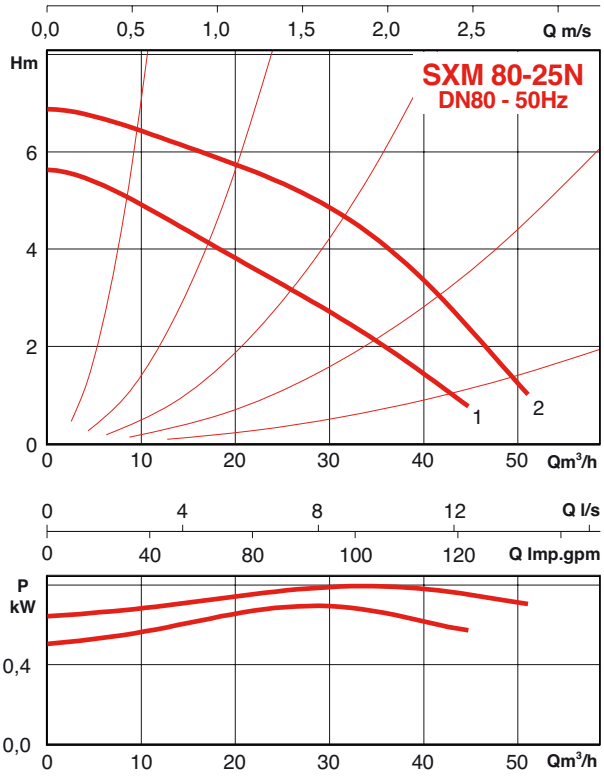


SXM - SINGLE CIRCULATORS - 2 POLE - SINGLE-PHASE 50 HZ



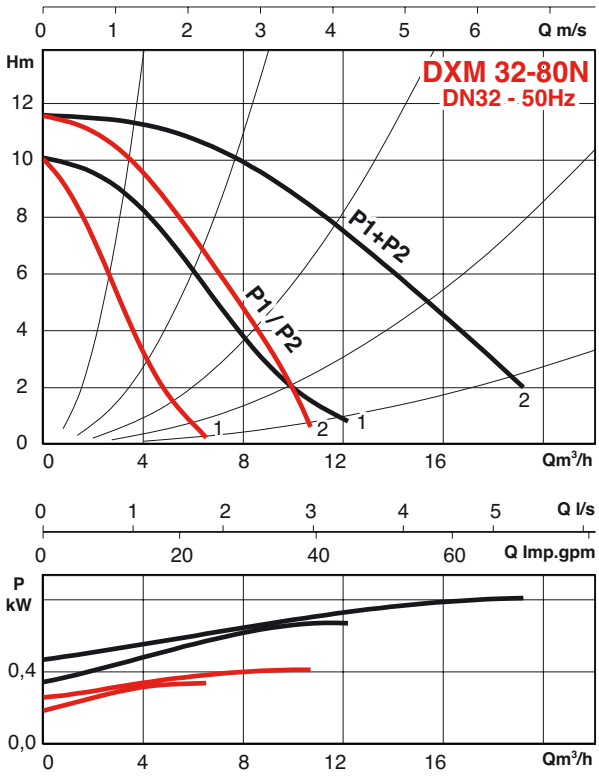


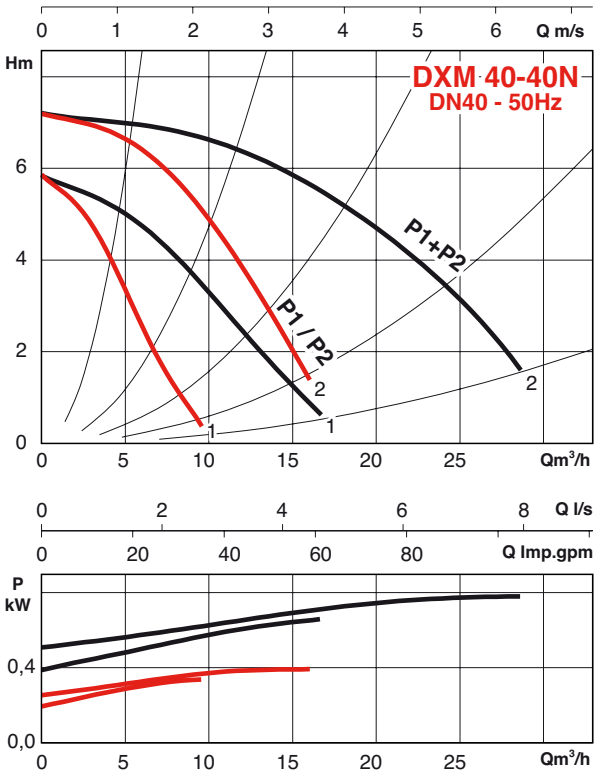


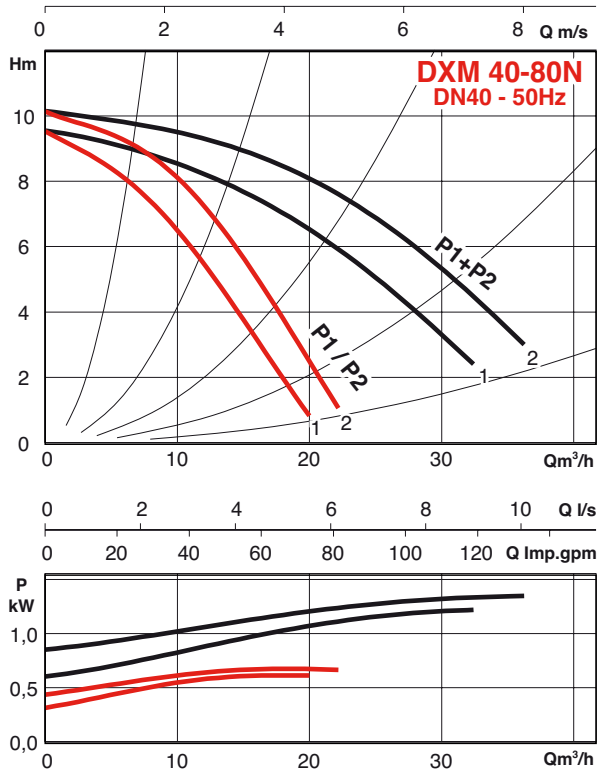


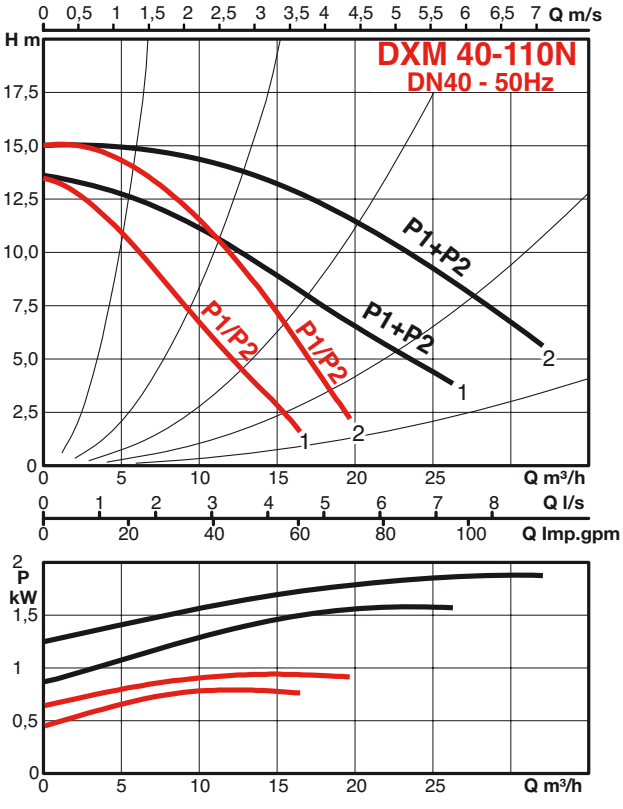
SCX-DCX - SXM-DXM

DXM - TWIN CIRCULATORS - 2 POLE - SINGLE-PHASE 50 HZ

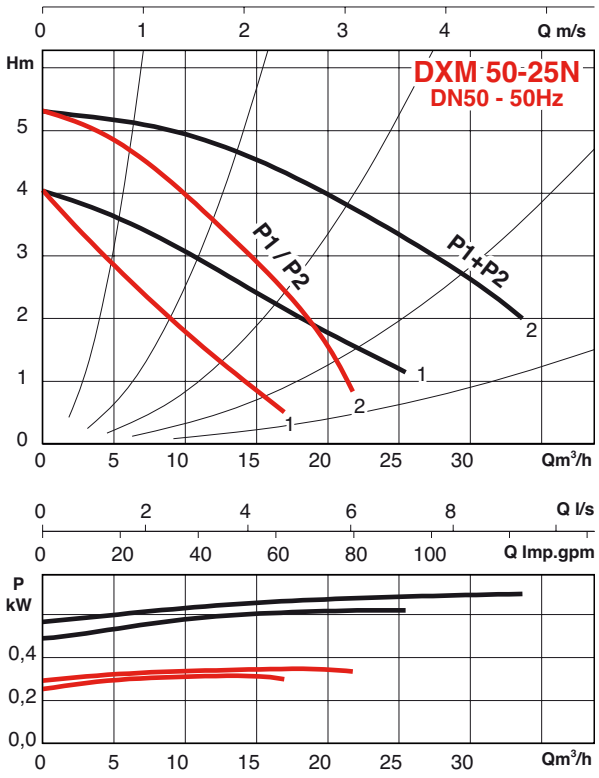


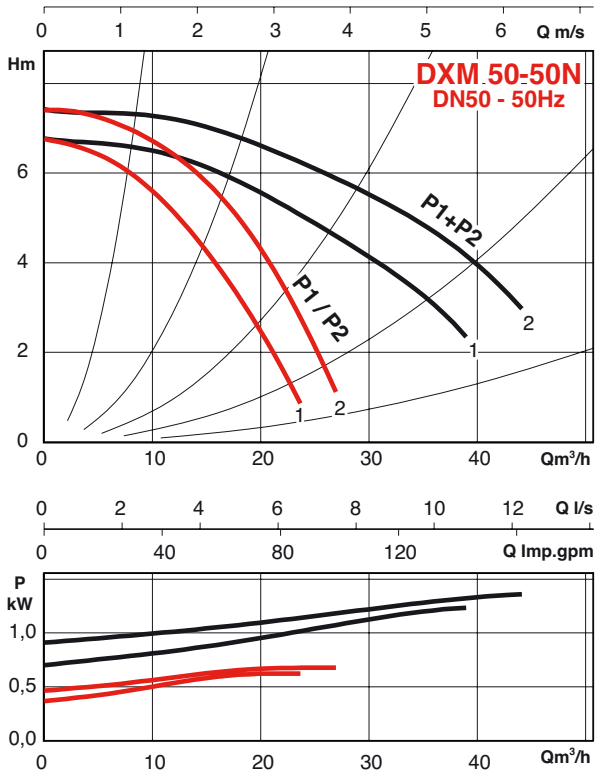


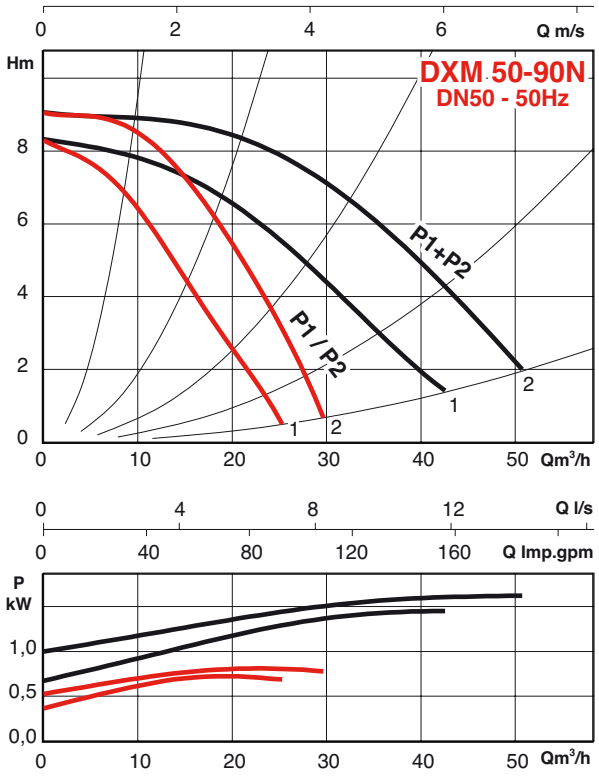


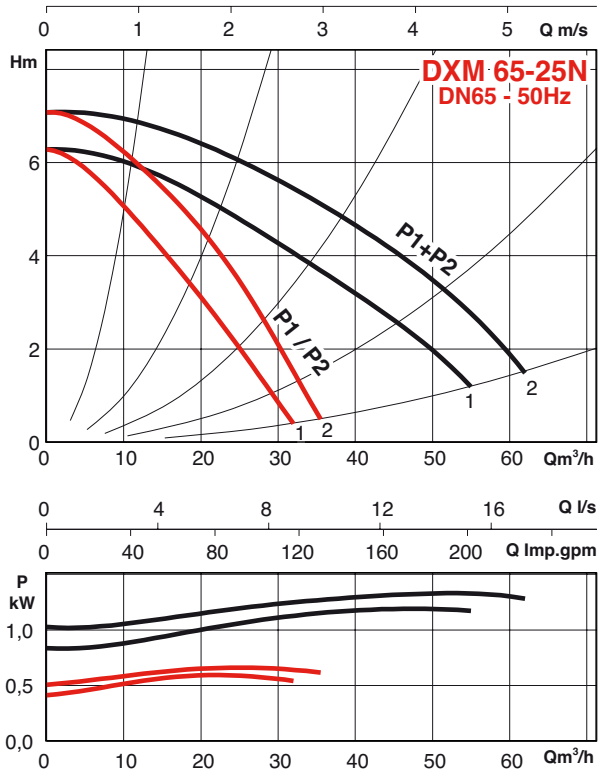


DXM - TWIN CIRCULATORS - 2 POLE - SINGLE-PHASE 50 HZ



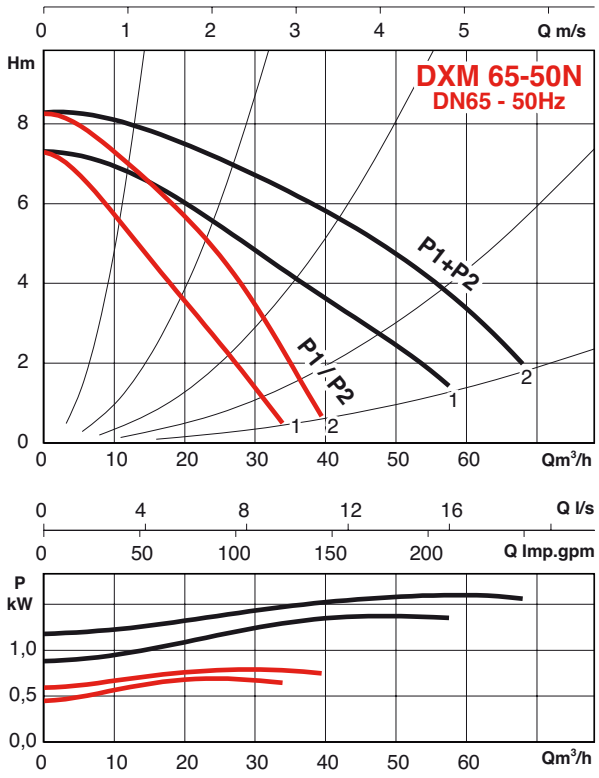


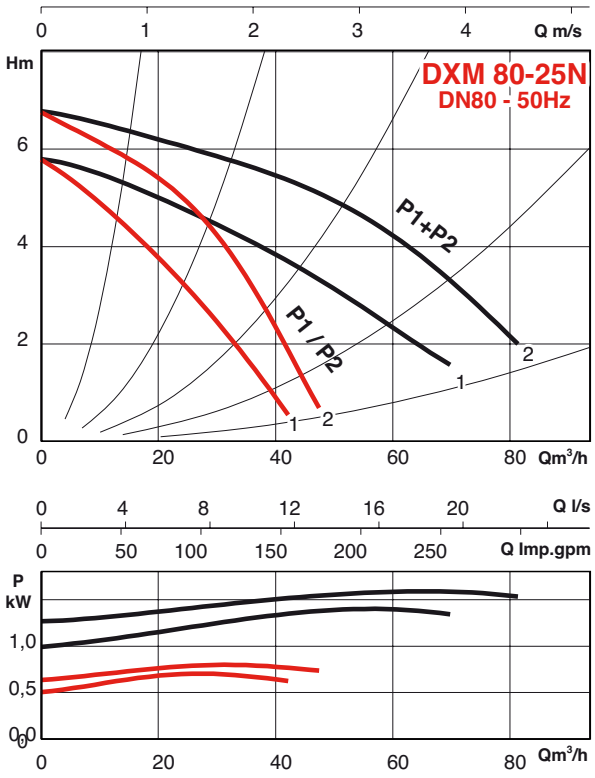




SCX-DCX - SXM-DXM

DXM - TWIN CIRCULATORS - 2 POLE - SINGLE-PHASE 50 HZ





OPERATION

• Alternating operation

pump 1 or pump 2 in operation

One head on standby ensures operating reliability with no stoppage of the installation

Operation of the pumps programmed and switched over by control box.

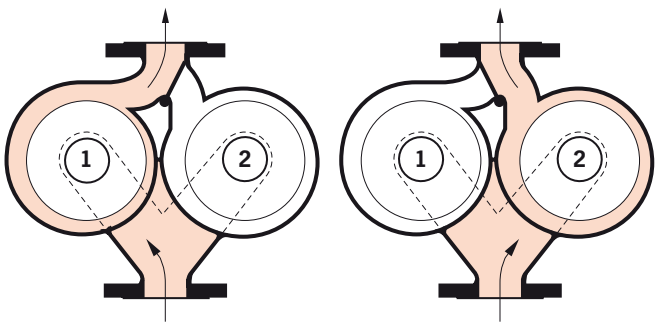
• Parallel operation

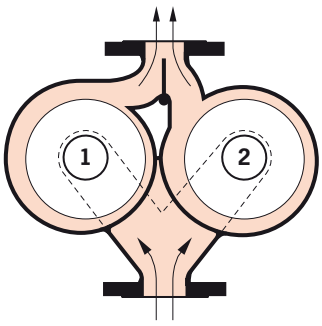
Parallel operation of both heads for the flowrate required, allows substantially lower purchase and operating costs.

A single head in operation provides about 85% of the capacity the installation needs during the heating season.

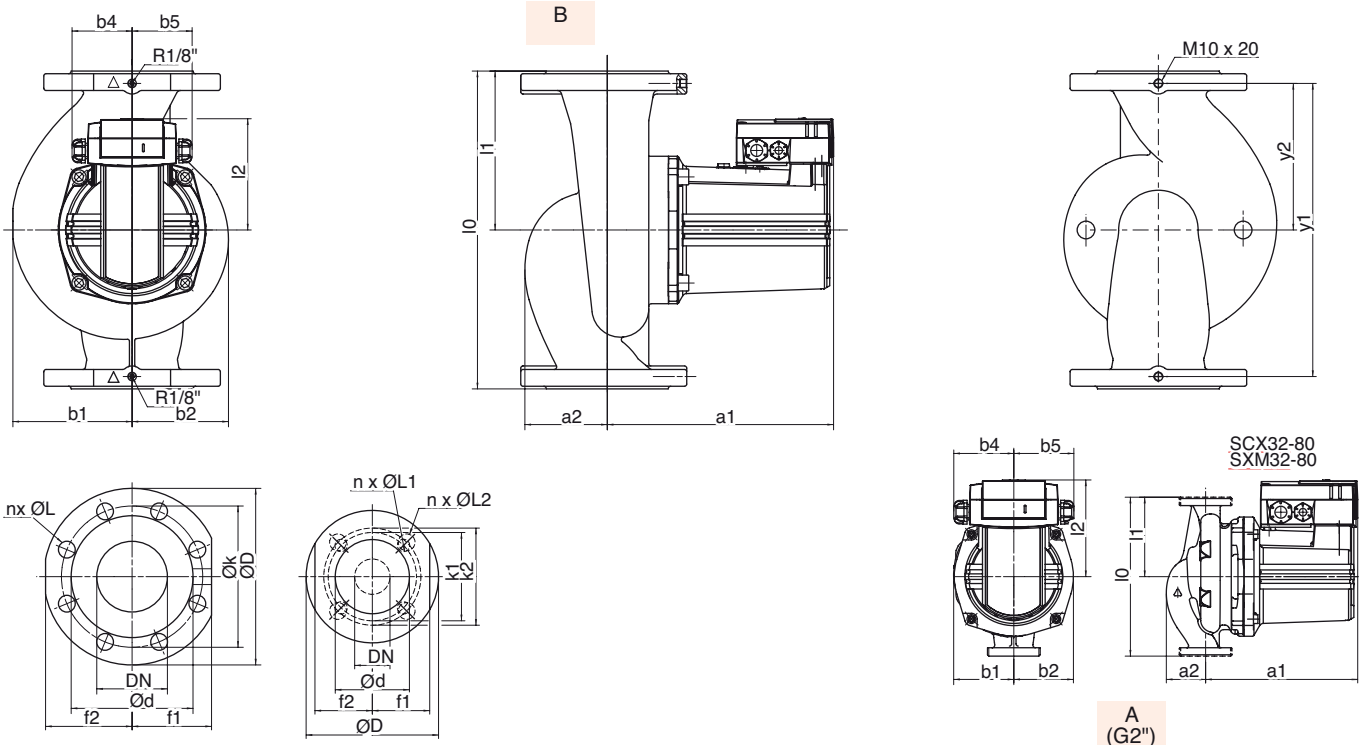
The maximum hydraulic performance needed is delivered by parallel operation of both heads.

A control box is used for programming.





DIMENSIONS - SCX - THREE-PHASE 50 HZ



FLANGES PN 6 / 10 COMBIFLANGE

DN	FLANGES	Ø D	Ø k 1	Ø k 2	Ø d	holes	holes
		mm	mm	mm	mm	n x ØL1	n x ØL2
40	PN 6 / 10	150	100	110	84	4 x 14	4 x 19
50	PN 6 / 10	165	110	125	99	4 x 14	4 x 19
65	PN 6 / 10	185	130	145	118	4 x 14	4 x 19

FLANGES PN 10 / 16 EN 1092-2

DN	FLANGES	Ø D	Ø k	Ø d	holes
		mm	mm	mm	n x ØL
80	PN 10	200	160	132	8 x 19
100	PN 10	220	180	156	8 x 19

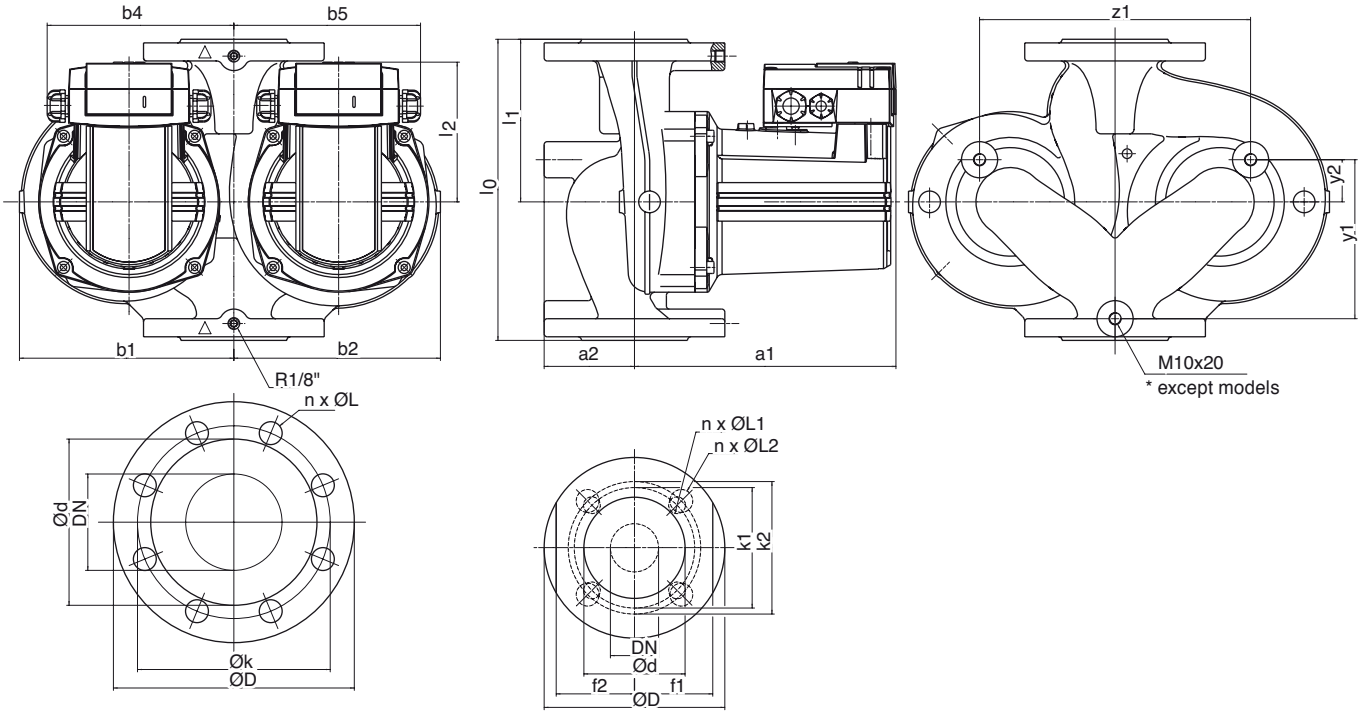
Order reference	DN	l0	l1	l2	a1	a2	b1	b2	b4	b5	f1	f2	y1	y2	mass approx.	drawing
	ports	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
SCX32-80N	32	180	90	108	172	45	69	69	69	69	60	60	-	-	7	A
SCX40-40N PN6/10	40	250	125	108	193	46	78	68	69	69	65	65	220	110	12	B
SCX40-80N PN6/10	40	250	125	115	216	59	90	80	69	69	65	65	220	110	16	B
SCX40-110N PN6/10	40	250	125	125	258	55	99	86	69	69	65	65	220	110	21	B
SCX50-25N PN6/10	50	280	140	108	200	53	94	68	69	69	70	70	220	110	14	B
SCX50-50N PN6/10	50	280	140	115	224	65	91	77	69	69	70	70	250	125	18	B
SCX50-90N PN6/10	50	280	140	115	222	71	101	87	69	69	70	75	250	125	19	B
SCX50-110N PN6/10	50	340	170	125	235	81	105	90	69	69	75	83	310	155	26	B
SCX65-25N PN6/10	65	340	170	115	235	67	110	89	69	69	80	80	310	155	22	B
SCX65-50N PN6/10 (450W)	65	340	170	115	235	67	110	89	69	69	80	80	310	155	24	B
SCX65-90N PN6/10	65	340	170	125	254	81	118	98	69	69	80	80	310	155	28	B
SCX65-110N PN6/10	65	340	170	125	254	81	118	98	69	69	80	80	310	155	29	B
SCX80-25N PN10 (450W)	80	360	180	115	227	80	116	89	69	69	90	90	330	165	26	B
SCX80-50N PN10	80	360	180	125	258	95	135	108	69	69	90	98	330	165	31	B
SCX80-110N PN10	80	360	180	150	316	89	129	108	69	69	90	90	330	165	42	B
SCX80-150N PN10	80	360	180	150	316	89	129	108	69	69	90	90	330	165	45	B
SCX100-50N PN10	100	360	180	125	258	95	135	108	69	69	90	98	330	165	35	B

SCX-DCX - SXM-DXM

ELECTRICAL DATA - SCX - THREE-PHASE 50 HZ

Order reference	EEI	P2	speed position		Motor P1		current in A 3 phase		Motorhead Order reference
		W		rpm	Wmin	Wmax	230V	400V	
			3	2600	195	400	1.37	0.79	
SCX32-80N	D	180	2	2200	145	280	0.84	0.49	BMCX32-80N
			1	1800	120	200	0.61	0.35	
			3	2600	220	370	1.31	0.76	
SCX40-40N PN6/10	C	180	2	2100	165	260	0.81	0.47	BMCX40-40N
			1	1800	130	185	0.57	0.33	
			3	2800	300	585	2.02	1.17	
SCX40-80N PN6/10	C	350	2	2500	230	465	1.43	0.82	BMCX40-80N
			1	2200	200	365	1.12	0.65	
			3	2800	500	905	3.19	1.84	
SCX40-110N PN6/10	D	570	2	2500	380	720	2.25	1.30	BMCX40-110N
			1	2200	330	585	1.82	1.05	
			3	2650	250	330	1.23	0.71	
SCX50-25N PN6/10	D	180	2	2200	190	240	0.76	0.44	BMCX50-25N
			1	1900	150	180	0.56	0.32	
			3	2800	360	610	2.06	1.19	
SCX50-50N PN6/10	C	350	2	2450	285	470	1.43	0.83	BMCX50-50N
			1	2150	245	375	1.14	0.66	
			3	2700	450	880	3.0	1.73	
SCX50-90N PN6/10	C	450	2	2300	330	680	2.09	1.2	BMCX50-90N
			1	2000	280	500	1.54	0.89	
			3	2800	1060	1570	5.43	3.13	
SCX50-110N PN6/10	C	1100	2	2500	830	1260	3.90	2.25	BMCX50-110N
			1	2200	720	1005	3.14	1.81	
			3	2750	420	610	2.06	1.19	
SCX65-25N PN6/10	C	350	2	2350	340	480	1.47	0.85	BMCX65-25N
			1	2050	290	370	1.14	0.66	
			3	2650	525	845	2.89	1.67	
SCX65-50N PN6/10 (450W)	C	450	2	2250	410	630	1.91	1.1	BMCX65-50N
			1	1950	340	470	1.44	0.83	
			3	2800	1000	1450	5.07	2.93	
SCX65-90N PN6/10	C	1100	2	2550	810	1180	3.64	2.1	BMCX65-90N
			1	2250	700	960	3.0	1.74	
			3	2850	1170	1685	5.91	3.41	
SCX65-110N PN6/10	C	1300	2	2650	925	1425	4.38	2.53	BMCX65-110N
			1	2400	815	1210	3.78	2.18	
			3	2700	560	730	2.65	1.53	
SCX80-25N PN10 (450W)	C	450	2	2400	430	560	1.74	1.0	BMCX80-25N
			1	2100	350	440	1.36	0.79	
			3	2800	1070	1570	5.33	3.08	
SCX80-50N PN10	C	1100	2	2500	870	1280	3.91	2.26	BMCX80-50/100-50N
			1	2150	750	1010	3.13	1.81	
			3	2900	1600	2400	-	4.85	
SCX80-110N PN10	C	1800	2	2700	1300	2000	-	3.63	BMCX80-110N
			1	2450	1160	1680	-	3.25	
			3	2900	2050	3120	-	6.10	
SCX80-150N PN10	C	2200	2	2750	1670	2650	-	4.80	BMCX80-150N
			1	2500	1480	2270	-	4.35	
			3	2800	1070	1570	5.33	3.08	
SCX100-50N PN10	C	1100	2	2500	870	1280	3.91	2.26	BMCX80-50/100-50N
			1	2150	750	1010	3.13	1.81	

DIMENSIONS - DCX - THREE-PHASE 50 HZ



FLANGES PN 6 / 10 COMBIFLANGE

DN	FLANGES	Ø D	Ø k 1	Ø k 2	Ø d	holes	holes
		mm	mm	mm	mm	n x ØL1	n x ØL2
32	PN 6 / 10	140	90	100	76	4 x 14	4 x 19
40	PN 6 / 10	150	100	110	84	4 x 14	4 x 19
50	PN 6 / 10	165	110	125	99	4 x 14	4 x 19
65	PN 6 / 10	185	130	145	118	4 x 14	4 x 19

FLANGES PN 10 / 16 EN 1092-2

DN	FLANGES	Ø D	Ø k	Ø d	holes
		mm	mm	mm	n x ØL
80	PN 10	200	160	132	8 x 19

Order reference	DN	l0	l1	l2	a1	a2	b1	b2	b4	b5	z1	y1	y2	f1	f2	mass approx.
	ports	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
DCX32-80N PN6/10*	32	220	110	108	172	60	144	143	146	146	172	107	11	60	60	18
DCX40-40N PN6/10*	40	250	135	108	193	75	150	143	146	146	172	108	11	-	-	20
DCX40-80N PN6/10*	40	250	135	115	216	75	178	172	156	156	225	132	35	-	-	29
DCX40-110N PN6/10	40	250	125	125	258	65	200	195	175	175	225	132	25	65	65	40
DCX50-25N PN6/10*	50	280	155	108	200	83	178	158	156	156	225	132	25	-	-	23
DCX50-50N PN6/10*	50	280	160	115	224	83	79	169	156	156	225	132	30	-	-	31
DCX50-90N PN6/10*	50	280	155	115	222	83	198	192	166	166	228	157	50	-	-	33
DCX50-110N PN6/10	50	340	170	119	243	86	209	200	173	173	252	184	30	-	-	50
DCX65-25N PN6/10	65	340	170	115	235	81	214	201	175	175	225	180	25	80	80	37
DCX65-50N PN6/10 (450W)	65	340	170	115	235	81	214	201	175	175	225	180	25	80	80	40
DCX65-90N PN6/10	65	340	185	125	254	93	223	209	175	175	225	162	25	-	-	49
DCX65-110N PN6/10	65	340	185	125	254	93	223	209	175	175	225	162	25	-	-	56
DCX80-25N PN10 (450W)	80	360	180	115	227	88	226	210	184	184	280	198	33	90	90	46
DCX80-50N PN10	80	360	205	125	256	100	249	231	187	187	240	180	43	-	-	55
DCX80-110N PN10	80	360	180	150	316	90	259	248	204	204	270	185	20	90	90	79
DCX80-150N PN10	80	360	180	150	316	90	259	248	204	204	270	185	20	90	90	85

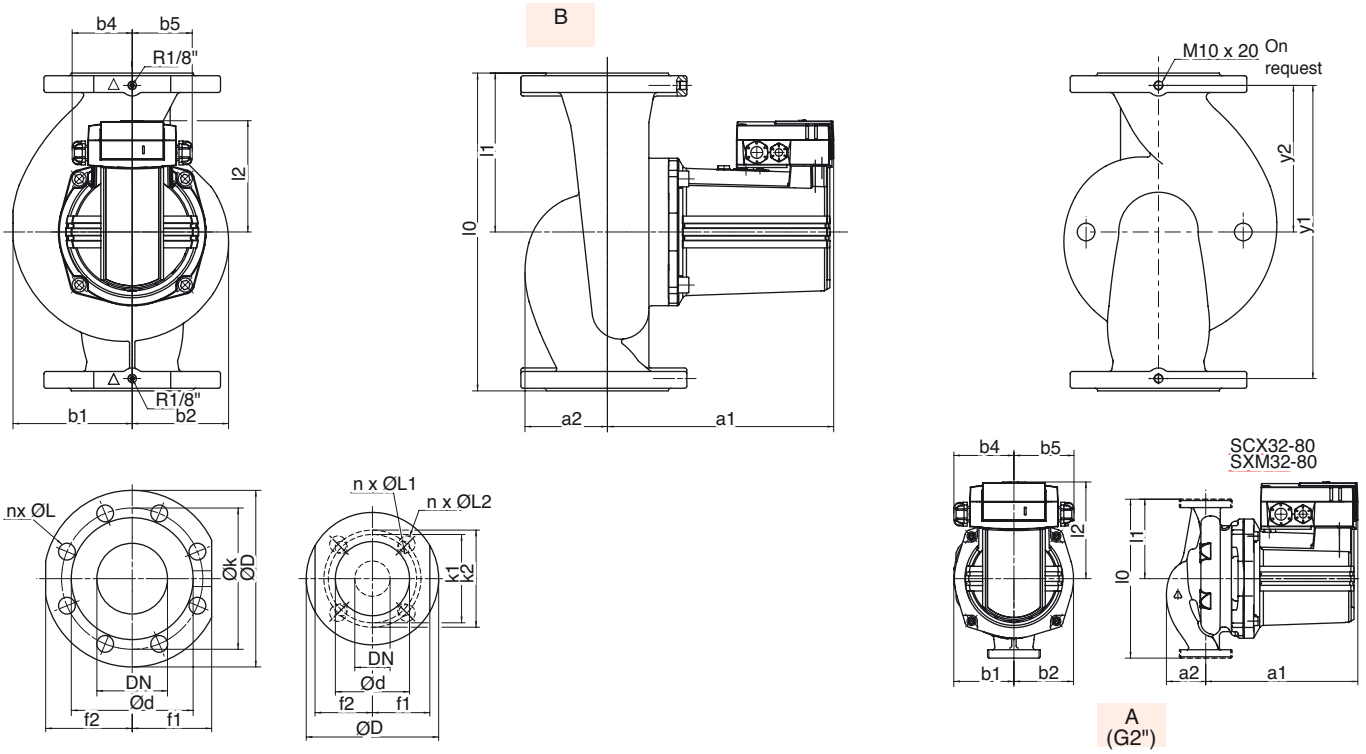
* For this models, drilling on demand.

SCX-DCX - SXM-DXM

ELECTRICAL DATA - DCX - THREE-PHASE 50 HZ

Order reference	EEI	P2	speed position		Motor P1		current in A 3 phase		Motorhead Order reference
		W		rpm	Wmin	Wmax	230V	400V	
			3	2600	210	400	1.37	0.79	
DCX32-80N PN6/10	D	180	2	2200	160	280	0.84	0.49	BMCX32-80N
			1	1800	130	200	0.61	0.35	
			3	2600	220	370	1.31	0.76	
DCX40-40N PN6/10	D	180	2	2100	165	260	0.81	0.47	BMCX40-40N
			1	1800	130	185	0.57	0.33	
			3	2800	300	585	2.02	1.17	
DCX40-80N PN6/10	C	350	2	2500	230	465	1.43	0.82	BMCX40-80N
			1	2200	200	365	1.12	0.65	
			3	2800	500	905	3.19	1.84	
DCX40-110N PN6/10	D	570	2	2500	380	720	2.25	1.30	BMCX40-110N
			1	2200	330	585	1.82	1.05	
			3	2650	270	330	1.23	0.71	
DCX50-25N PN6/10	E	180	2	2200	200	240	0.76	0.44	BMCX50-25N
			1	1900	160	180	0.56	0.32	
			3	2800	360	610	2.06	1.19	
DCX50-50N PN6/10	C	350	2	2450	285	470	1.43	0.83	BMCX50-50N
			1	2150	245	375	1.14	0.66	
			3	2700	450	880	3.0	1.73	
DCX50-90N PN6/10	D	450	2	2300	330	680	2.09	1.2	BMCX50-90N
			1	2000	280	500	1.54	0.89	
			3	2800	1060	1570	5.43	3.13	
DCX50-110N PN6/10	D	1100	2	2500	830	1260	3.90	2.25	BMCX50-110N
			1	2200	720	1005	3.14	1.81	
			3	2750	420	610	2.06	1.19	
DCX65-25N PN6/10	D	350	2	2350	340	480	1.47	0.85	BMCX65-25N
			1	2050	290	370	1.14	0.66	
			3	2650	525	845	2.89	1.67	
DCX65-50N PN6/10 (450W)	D	450	2	2250	410	630	1.91	1.1	BMCX65-50N
			1	1950	340	470	1.44	0.83	
			3	2800	1000	1450	5.07	2.93	
DCX65-90N PN6/10	D	1100	2	2550	810	1180	3.64	2.1	BMCX65-90N
			1	2250	700	960	3.0	1.74	
			3	2850	1170	1685	5.91	3.41	
DCX65-110N PN6/10	D	1300	2	2650	925	1425	4.38	2.53	BMCX65-110N
			1	2400	815	1210	3.78	2.18	
			3	2700	560	730	2.65	1.53	
DCX80-25N PN10 (450W)	D	450	2	2400	430	560	1.74	1.0	BMCX80-25N
			1	2100	350	440	1.36	0.79	
			3	2800	1070	1570	5.33	3.08	
DCX80-50N PN10	D	1100	2	2500	870	1280	3.91	2.26	BMCX80-50/100-50N
			1	2150	750	1010	3.13	1.81	
			3	2900	1600	2400	-	4.85	
DCX80-110N PN10	C	1800	2	2700	1300	2000	-	3.63	BMCX80-110N
			1	2450	1160	1680	-	3.25	
			3	2900	2050	3120	-	6.10	
DCX80-150N PN10	C	2200	2	2750	1670	2650	-	4.80	BMCX80-150N
			1	2500	1480	2270	-	4.35	

DIMENSIONS - SXM - SINGLE-PHASE 50 HZ



FLANGES PN 6 / 10 COMBIFLANGE

DN	FLANGES	Ø D	Ø k 1	Ø k 2	Ø d	holes	holes
		mm	mm	mm	mm	n x ØL1	n x ØL2
40	PN 6 / 10	150	100	110	84	4 x 14	4 x 19
50	PN 6 / 10	165	110	125	99	4 x 14	4 x 19
65	PN 6 / 10	185	130	145	118	4 x 14	4 x 19

FLANGES PN 10 / 16 EN 1092-2

DN	FLANGES	Ø D	Ø k	Ø d	holes
		mm	mm	mm	n x ØL
80	PN 10	200	160	132	8 x 19
100	PN 10	220	180	156	8 x 19

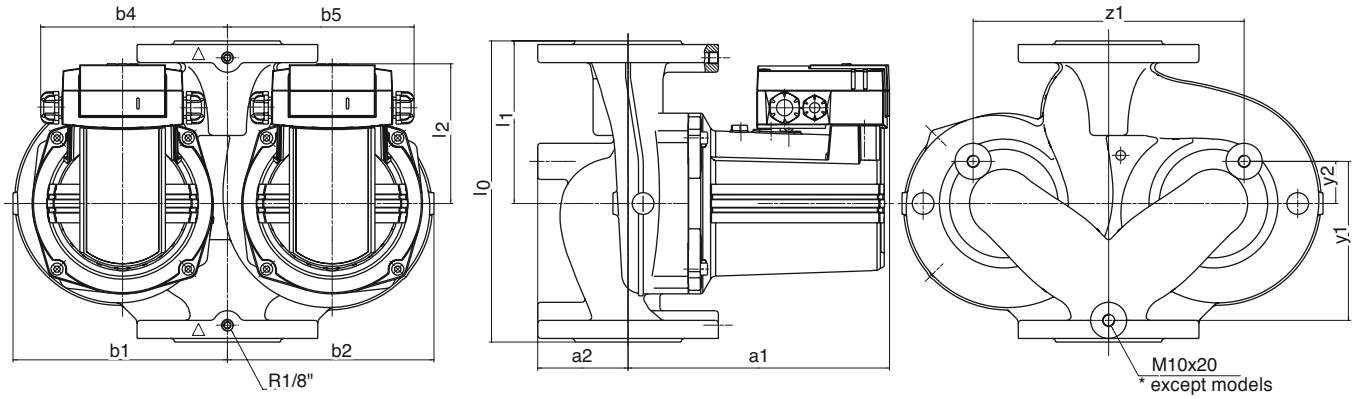
Order reference	DN	l0	l1	l2	a1	a2	b1	b2	b4	b5	f1	f2	y1	y2	mass approx.	drawing
	ports	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
SXM32-80N	32	180	90	108	172	45	69	69	69	69	60	60	-	-	7	A
SXM40-40N PN6/10	40	250	125	108	193	46	78	68	69	65	65	65	220	110	12	B
SXM40-80N PN6/10	40	250	125	115	216	59	90	80	69	69	65	65	220	110	16	B
SXM40-110N PN6/10	40	250	125	125	258	55	99	86	69	69	65	65	220	110	21	B
SXM50-25N PN6/10	50	280	140	108	200	53	94	68	69	69	70	70	220	110	14	B
SXM50-50N PN6/10	50	280	140	115	224	65	91	77	69	69	70	70	252	126	18	B
SXM50-90N PN6/10	50	280	140	115	222	71	101	87	69	69	70	75	252	126	19	B
SXM65-25N PN6/10	65	340	170	115	235	67	110	89	69	69	80	80	310	155	22	B
SXM65-50N PN6/10 (450W)	65	340	170	115	235	67	110	89	69	69	80	80	310	155	24	B
SXM80-25N PN10 (450W)	80	360	180	115	227	80	116	89	69	69	90	90	330	165	26	B

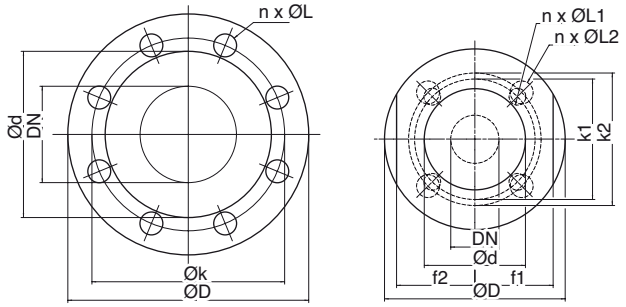
SCX-DCX - SXM-DXM

ELECTRICAL DATA - SXM - SINGLE-PHASE 50 HZ

Order reference	EEI	P2	Capacitor	speed position	Motor			current in A	Motorhead
					P1			1 phase	Order reference
		W	µF		rpm	Wmin	Wmax	230V	
SXM32-80N	D	180	8	2	2600	225	410	2.05	BMXM32-80N
				1	2300	170	340	1.75	
SXM40-40N PN6/10	D	180	8	2	2650	250	390	1.93	BMXM40-40N
				1	2200	200	330	1,70	
SXM40-80N PN6/10	D	350	16	2	2800	430	680	3.47	BMXM40-80N
				1	2600	310	610	3.18	
SXM40-110N PN6/10	D	570	25	2	2800	615	945	4.57	BMXM40-110N
				1	2500	415	800	4.20	
SXM50-25N PN6/10	D	180	8	2	2700	280	350	1.67	BMXM50-25N
				1	2050	230	310	1.59	
SXM50-50N PN6/10	C	350	16	2	2800	460	690	3.49	BMXM50-50N
				1	2600	360	630	3.35	
SXM50-90N PN6/10	C	450	25	2	2800	515	820	3.94	BMXM50-90N
				1	2450	360	730	3.72	
SXM65-25N PN6/10	D	350	16	2	2800	510	660	3.39	BMXM65-25N
				1	2500	420	590	3,10	
SXM65-50N PN6/10 (450W)	C	450	25	2	2800	580	790	3.78	BMXM65-50N
				1	2450	440	690	3.51	
SXM80-25N PN10 (450W)	C	450	25	2	2800	640	800	3.85	BMXM80-25N
				1	2350	505	700	3.59	

DIMENSIONS - DXM - SINGLE-PHASE 50 HZ





FLANGES PN 10 / 16 EN 1092-2

DN	FLANGES	Ø D	Ø k	Ø d	holes
		mm	mm	mm	n x ØL
80	PN 10	200	160	132	8 x 19

FLANGES PN 6 / 10 COMBIFLANGE

DN	FLANGES	Ø D	Ø k 1	Ø k 2	Ø d	holes	holes
		mm	mm	mm	mm	n x ØL1	n x ØL2
32	PN 6 / 10	140	90	100	76	4 x 14	4 x 19
40	PN 6 / 10	150	100	110	84	4 x 14	4 x 19
50	PN 6 / 10	165	110	125	99	4 x 14	4 x 19
65	PN 6 / 10	185	130	145	118	4 x 14	4 x 19

Order reference	DN	l0	l1	l2	a1	a2	b1	b2	b4	b5	z1	y1	y2	f1	f2	mass approx.
	orifices	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	mm	kg
DXM32-80N PN6/10*	32	220	110	108	172	60	144	143	146	146	172	107	11	60	60	18
DXM40-40N PN6/10*	40	250	135	108	193	75	150	143	146	146	172	108	11	-	-	20
DXM40-80N PN6/10*	40	250	135	115	216	75	178	172	156	156	225	132	35	-	-	29
DXM40-110N PN6/10	40	250	125	125	258	65	200	195	175	175	225	132	25	65	65	40
DXM50-25N PN6/10*	50	280	155	108	200	83	178	158	156	156	225	132	25	-	-	23
DXM50-50N PN6/10*	50	280	160	115	224	83	79	169	156	156	225	132	30	-	-	31
DXM50-90N PN6/10*	50	280	155	115	222	83	198	192	166	166	228	157	50	-	-	33
DXM65-25N PN6/10	65	340	170	115	235	81	214	201	175	175	225	180	25	80	80	37
DXM65-50N PN6/10 (450W)	65	340	170	115	235	81	214	201	175	175	225	180	25	80	80	40
DXM80-25N PN10 (450W)	80	360	180	115	227	88	226	210	184	184	280	198	33	90	90	46

* For this models, drilling on demand.

ELECTRICAL DATA - DXM - SINGLE-PHASE 50 HZ

Order reference	EEI	P2	Capacitor	speed position	Motor P1		current in A 1 phase	Motorhead Order reference
		W	µF	rpm	Wmin	Wmax	230V	
DXM32-80N PN6/10	D	180	8	2	2600	260	410	2.05	BMXM32-80N
				1	2300	185	340	1.75	
DXM40-40N PN6/10	D	180	8	2	2650	250	390	1.93	BMXM40-40N
				1	2200	200	330	1.7	
DXM40-80N PN6/10	D	350	16	2	2800	430	680	3.47	BMXM40-80N
				1	2600	310	610	3.18	
DXM40-110N PN6/10	E	570	25	2	2800	615	945	4.57	BMXM40-110N
				1	2500	415	800	4.20	
DXM50-25N PN6/10	E	180	8	2	2700	295	350	1.67	BMXM50-25N
				1	2050	255	310	1.59	
DXM50-50N PN6/10	D	350	16	2	2800	460	690	3.49	BMXM50-50N
				1	2600	360	630	3.35	
DXM50-90N PN6/10	D	450	25	2	2800	515	820	3.94	BMXM50-90N
				1	2450	360	730	3.72	
DXM65-25N PN6/10	D	350	16	2	2800	510	660	3.39	BMXM65-25N
				1	2500	420	590	3.1	
DXM65-50N PN6/10 (450W)	D	450	25	2	2800	580	790	3.78	BMXM65-50N
				1	2450	440	690	3.51	
DXM80-25N PN10 (450W)	D	450	25	2	2800	640	800	3.85	BMXM80-25N
				1	2350	505	700	3.59	

SCX-DCX - SXM-DXM

PRESSURE GAUGE KIT

• **Differential pressure gauge kit**

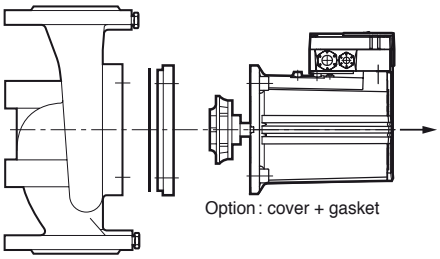
• For single and twin-head pumps
• Rapid connection without welding, to ports provided on flanges.

KIT includes:
- 0-6 or 0-16 bar glycerin bath pressure gauge,
- isolating cocks,
- unions and connecting tubes,
- bleed.

Supplied in pouch with installation instructions.

Order ref.: PRESS KIT 6 or
PRESS KIT 16

BLANK COVER



Blank cover with gasket for twin-head pumps

type of twin-head circulator		Order reference
DCX 32-80 N	DXM 32-80 N	COUV. 32
DCX 40-40 N	DXM 40-40 N	
DCX 50-25 N	DXM 50-25 N	
DCX 40-80 N	DXM 40-80 N	COUV. 42
DCX 50-50 N	DXM 50-50 N	
DCX 50-90 N	DXM 50-90 N	
DCX 65-25 N	DXM 65-25 N	
DCX 65-50 N	DXM 65-50 N	
DCX 80-25 N	DXM 80-25 N	
DCX 40-110 N	DXM 40-110 N	COUV. 52
DCX 50-110 N		
DCX 65-90 N		
DCX 65-110 N		
DCX 80-50 N		
DCX 80-110 N		COUV. 72
DCX 80-150 N		

NB (Replacement)
References motorhead BMXM/BMCX are complete sets with motor and assembled impeller, not sold separately.

PARTICULARITES

a) Electrical data
- Single-phase 230 V - 50 Hz with built-in capacitor.
- Three-phase 400 V or 230* V (50 Hz)

*** For 3~230V,** use a speed selector (réf. 2040641) sold as an accessory.

- 1 Speed selector for SCX
- 2 Speed selectors for DCX

b) Installation
- Direct on piping, motor shaft always horizontal.
- Connection to the installation by welded, round counter-flanges (not included).

c) Packaging
- Supplied with gaskets and bolts without counter-flanges.

d) Maintenance
- Replacement of motor head + hydraulic part (see tables for order ref.).

OPTIONS & ACCESSORIES

• Motor protection circuit-breaker (SCX).
• Motor control and protection box (DCX).
• Speed controller box.
• Blank off cover (DCX).
• Pressure gauge kit.
• Welded round counter-flanges, unions.
• Isolating valves.
• Anti-vibration sleeves, etc.
• speed selector 3~230 V

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