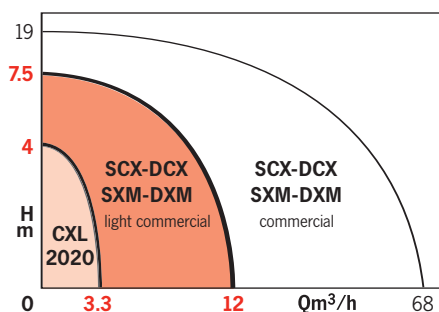


OPERATING LIMITS

Flow rates up to:	12 m ³ /h
Heads up to:	75 m
Max. operating pressure:	10 bar
Temperature range:	- 20° to + 130 °C*
Max. temperature ambient:	+ 40 °C
ND of ports:	32 and 40

* except CXL 2020 : - 20 to + 110 °C



* See NT 122-21

SCX-DCX - SXM-DXM

SINGLE AND TWIN-HEAD CIRCULATORS

Heating and air-conditioning
Light commercial range
50 Hz

Motor Mob

ASESORANDO INDUSTRIAS

- Motores Eléctricos - Motorreductores
- Bombas Centrifugas y Autocebantes
- Bombas para Presurización y Calefacción
- Bombas para Desagote y Sumergibles
- Válvulas y Accesorios
- Bobinados - Reparaciones
- Sellos Mecánicos - Repuestos
- Ventilación Industrial
- Montajes Industriales

PAGINA WEB: www.electromecanicamm.com.ar
E-MAIL: electromecanicamm@hotmail.com

Replace CXL

APPLICATIONS

Hot water and chilled water circulation into:

- Heating systems
- Air-conditioning systems.

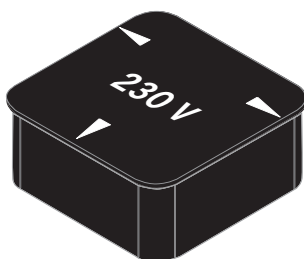
For light commercial range, pools, greenhouses, farms...
For new and old (renovation) installations, extensions.



• DCX-DXM



• SCX-SXM



• Speed selector 3~230 V (option)



• DCX -DXM

SCX-DCX - SXM-DXM

ADVANTAGES

CONVENIENCE

- Silent operation.
- Integrated and automatic motor overload protection.
- Speed visualisation through the covers'window*.
- Easy installation (wide and simple access to electrical connections and speed selector).
- No maintenance.
- Automatic venting of rotor chamber.
- Twin head pump: standby pump available at all times or possibility of operating the two pumps in parallel for lower purchase and operating costs.

EASY SELECTION

- Large choice of performances (8 single head models and 9 twin models).
- 3 running speeds for every model.
- Wide applications: air-conditioning and heating.
- Dual voltage motor 230-400 V

RELIABILITY

- Circulator IP44*.
- Corrosion resistance reinforced.

* except CXL 2020

CONCEPTION

Hydraulic part

Pump casing in-line with threaded ports (flanges PN 10 on DXM 40-25 and 40-45, DCX 40-25 and 40-45).

• Twin heads models (DXM/DCX): twin pumps in a single casing, hydraulic separation by double flap valve on discharge end.

• Flanges models: bosses on rear for wall mounting, flanges fitted with pressure gauge ports.

• **Motor:** 2 pole, wet rotor, self lubricated bearings.

Single-phase: 3 speeds per manual selector, integrated capacitor.

Three-phase: dual voltage, 3 speeds by plug-in selector switch coupled to voltage (supplied in 400V, three-phase 230V plug as an option).

Speed : see p.8
Winding 1-phase : 230 V
3-phase : 230-400 V

Frequency : 50 Hz
: 60 Hz *optional*

Protection index : IP44

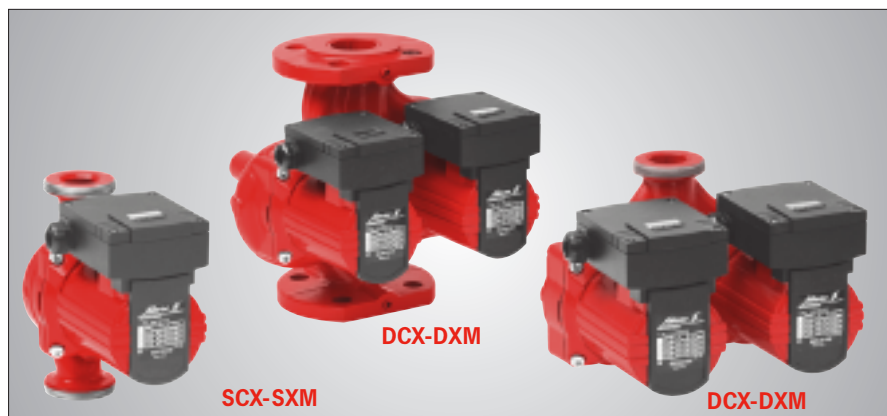
Insulating category : F

Conformity : CE

Immunity : EN 61000-6-2

Emission : EN 61000-6-3

THE 2 POLE CIRCULATORS LINES



SXM - DXM

Single & twin-head circulators

- Threaded ports G2 or flanges ND 40
- Single-phase 230 V, winding motors with built-in capacitor.
- Voltage complying with standard.
- Built-in and automatic thermal overload protection.
- 3 speeds motor selected per manual selector.
- 4 single head models
- 4 twin head models.

SCX - DCX

Single & twin-head circulators

- Threaded ports G2 or flanges ND 40
- Dual voltage motor 230-400V
- Voltage complying with standard.
- Built-in and automatic thermal overload protection.
- 3 speeds motor selected per manual selector.
- 4 single head models.
- 4 twin head models.

STANDARD CONSTRUCTION

Main parts	Material
Pump casing	Cast iron
Impeller	Composite material
Shaft	Stainless steel
Sleeve bearings	Graphite
Casing gaskets	Ethyl-Propylene

PUMP IDENTIFICATION

SCX 32-35
DCX 32-35

SCX : single pump, 3-phase
DCX : twin pump, 3-phase

ND of ports (mm) _____

Pressure head (dm) at rated capacity _____

SXM : single pump, 1-phase
DXM : twin pump, 1-phase

MINIMUM SUCTION PRESSURE (m.w.g.)

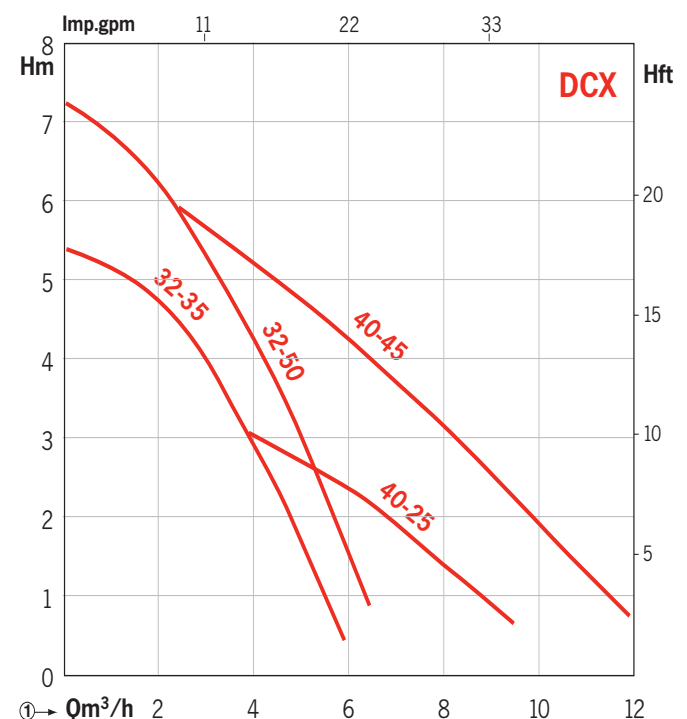
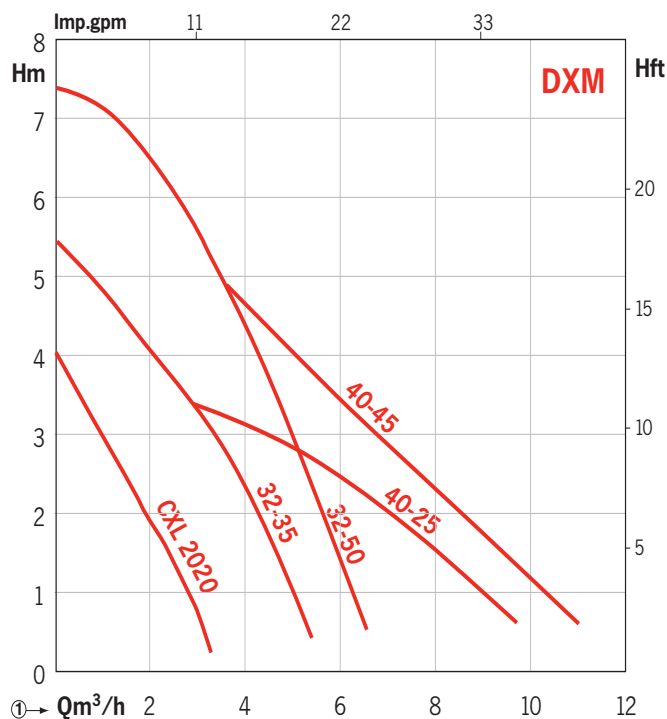
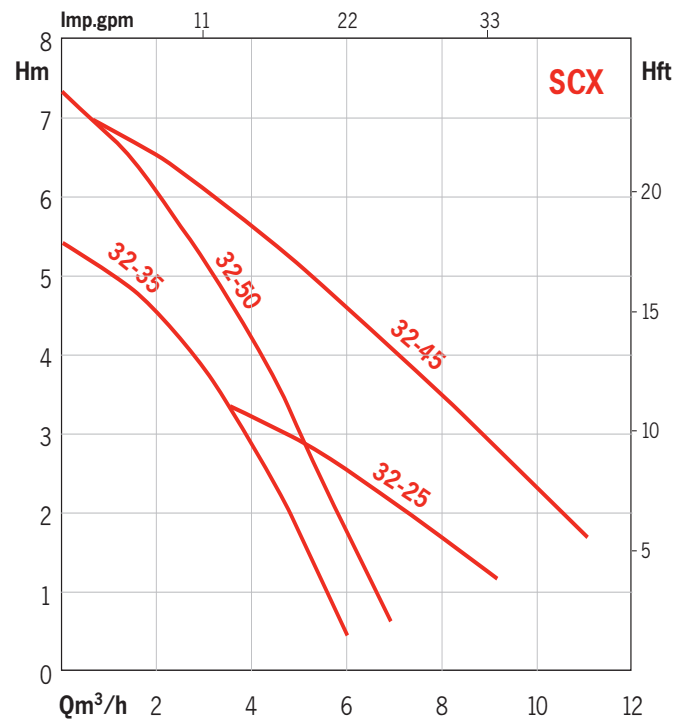
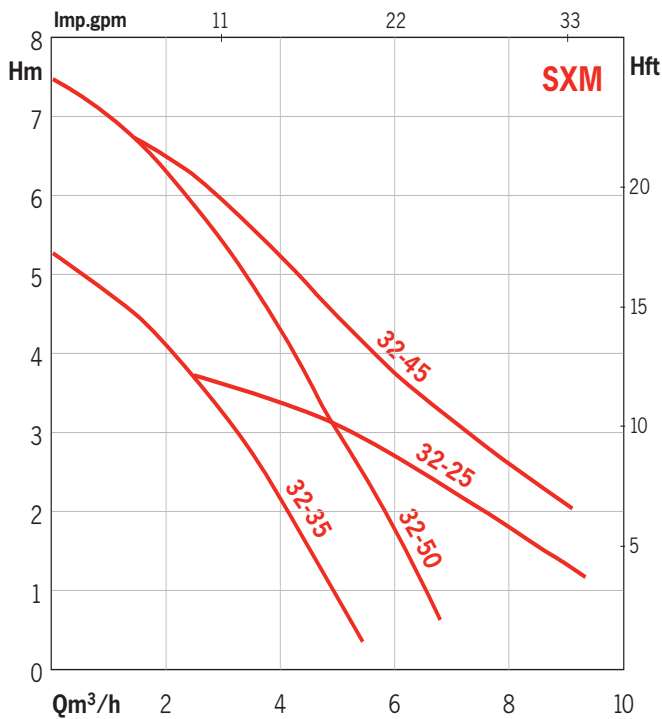
ACCORDING TO OPERATING TEMPERATURE

	50°C	95°C	110°C	130°C
All models				
SCX/SXM				
DCX/DXM	0.5m	5 m	11 m	24 m
CXL 2020		3 m	10 m	

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

SCX-DCX - SXM-DXM

GENERAL SELECTION GRAPHS AT MAXIMUM SPEED - 50 Hz



① → Qm³/h 2 4 6 8 10 12
 ② → Qm³/h 4 8 12 16 20 24
 ↳ 2 pumps in operation

① → Qm³/h 2 4 6 8 10 12
 ② → Qm³/h 4 8 12 16 20 24
 ↳ 2 pumps in operation

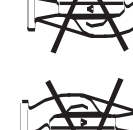
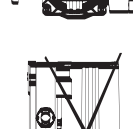
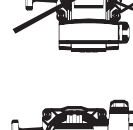
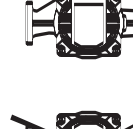
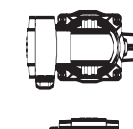
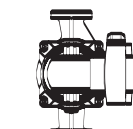
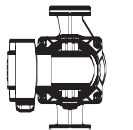
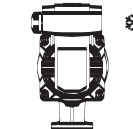
SCX-DCX - SXM-DXM

SINGLE MODELS

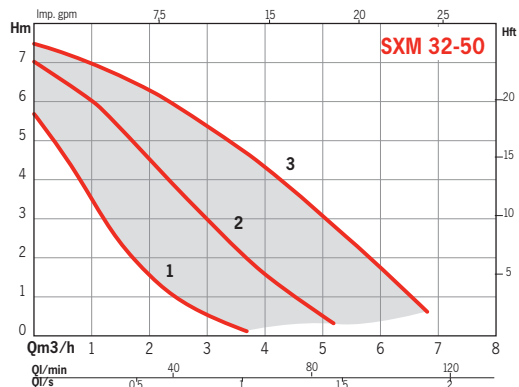
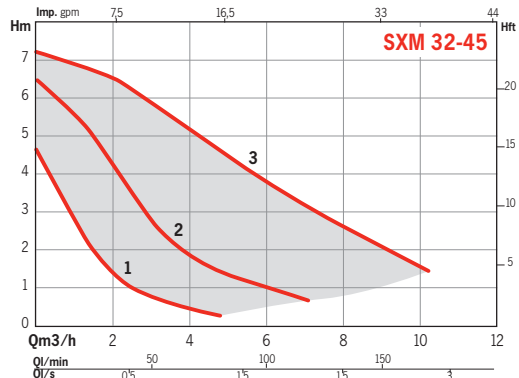
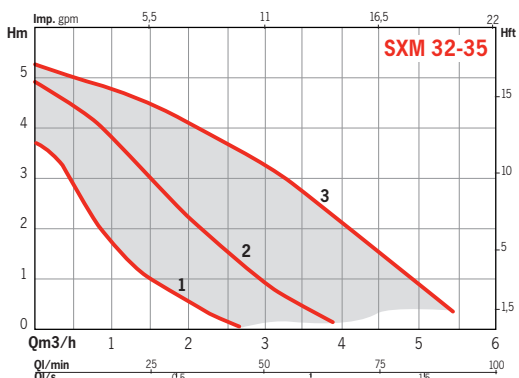
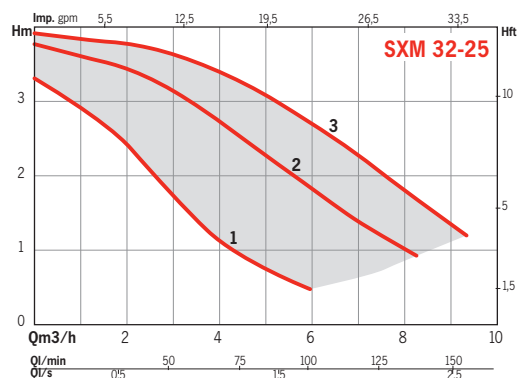
FITTING POSITIONS

HEATING

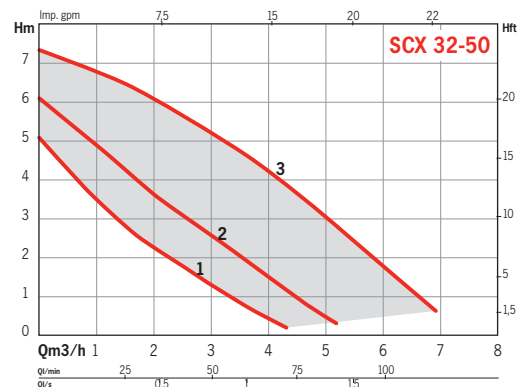
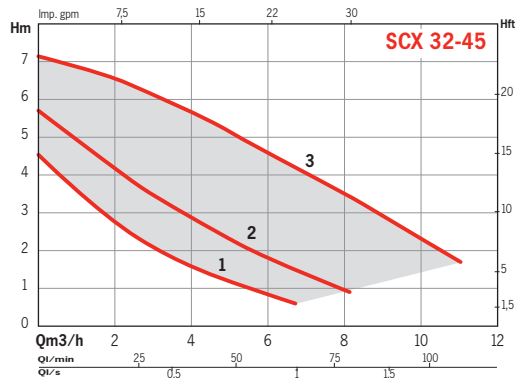
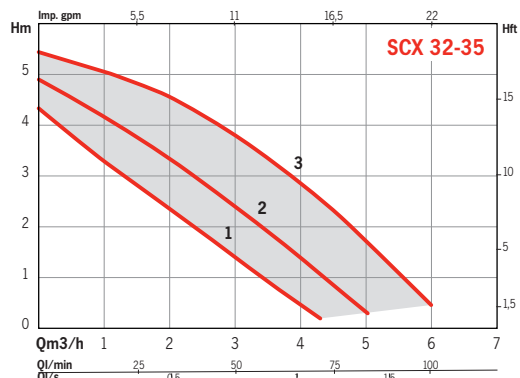
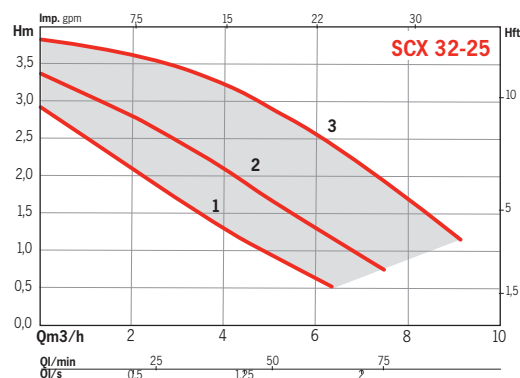
❄ air-conditioning



SINGLE-PHASE MODELS



THREE-PHASE MODELS

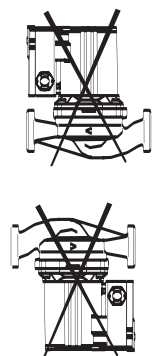
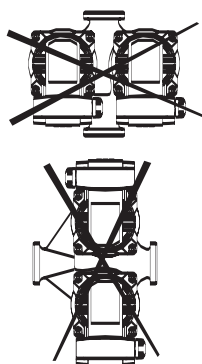
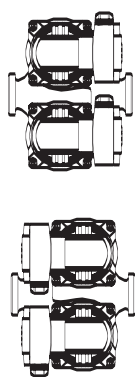
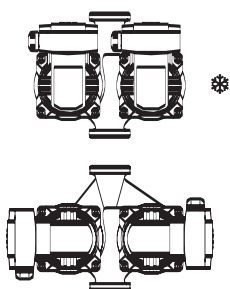


SCX-DCX - SXM-DXM

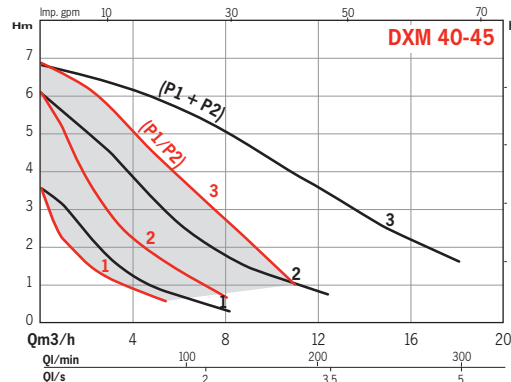
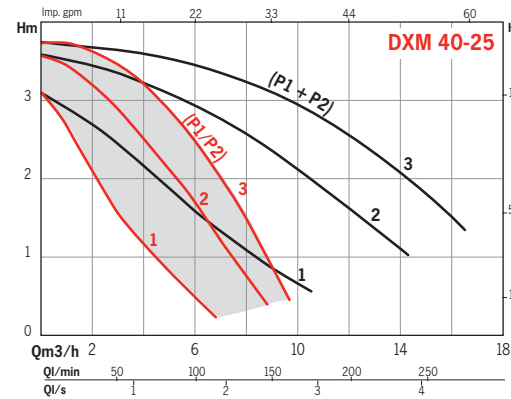
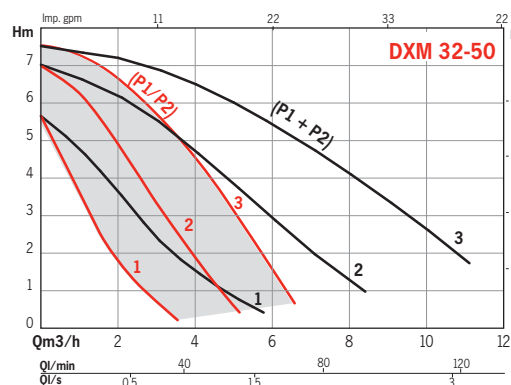
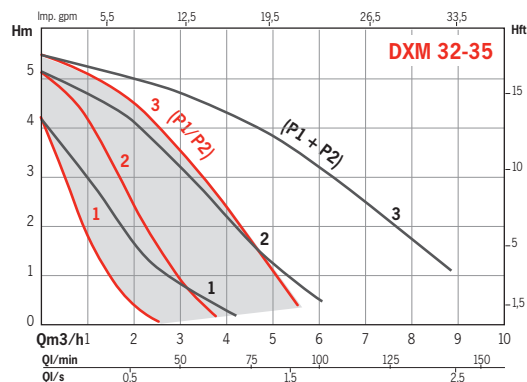
TWIN MODELS

FITTING POSITIONS HEATING

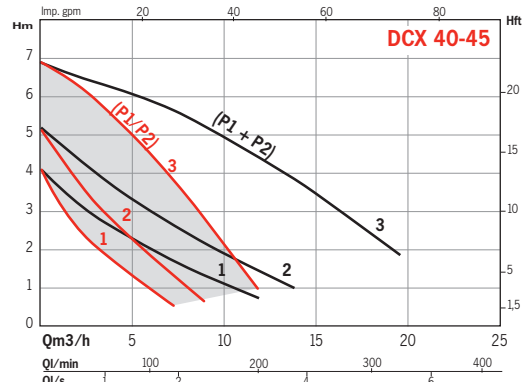
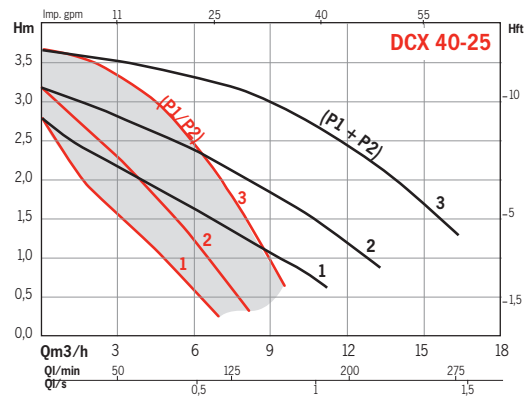
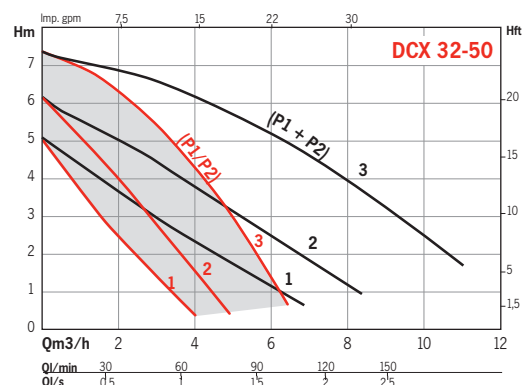
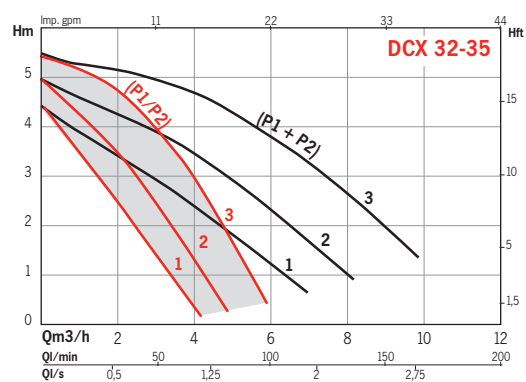
air-conditioning



SINGLE-PHASE MODELS

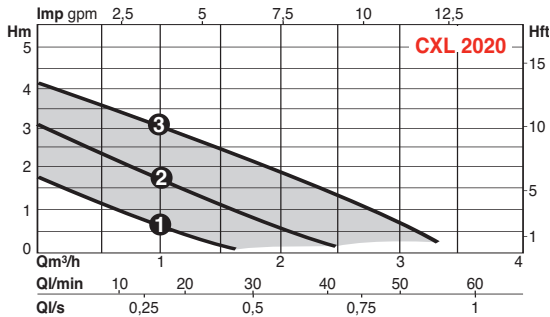


THREE-PHASE MODELS



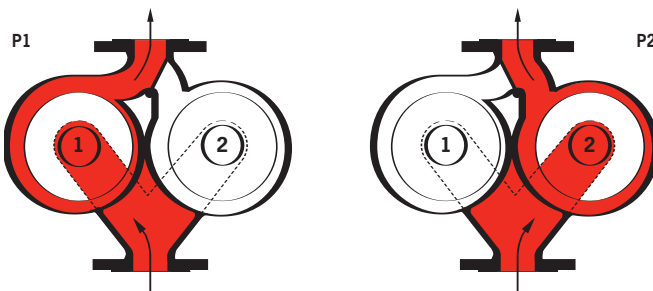
SCX-DCX - SXM-DXM

HYDRAULIC PERFORMANCES CXL 2020

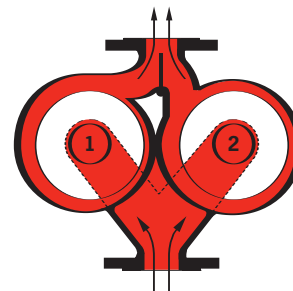


OPERATING TWIN PUMP in P1 or P2 and P1 + P2

Alternating operation: P1 or P2



Parallel operation: P1 + P2



SALMSON INTERCHANGEABILITY

New generation

SINGLE CIRCULATORS

SXM 32-35
SXM-32-25
SXM 32-50
SXM 32-45
SCX 32-35 + speed selector 3~230V
SCX 32-35
SCX 32-25 + speed selector 3~230V
SCX 32-25
SCX 32-50 + speed selector 3~230V
SCX 32-50
SCX 32-45

TWIN CIRCULATORS

CXL 2020
DXM 32-35
DXM 40-25
DXM 32-50
DXM 40-45
DCX 32-35 + 2 speed selectors 3~230V
DCX 32-35
DCX 40-25 + 2 speed selectors 3~230V
DCX 40-25
DCX 32-50 + 2 speed selectors 3~230V
DCX 32-50
DCX 40-45

CXL generation

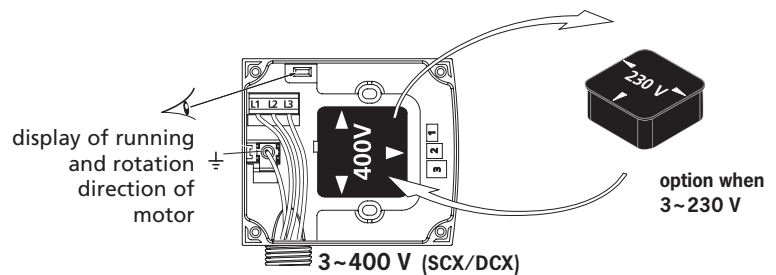
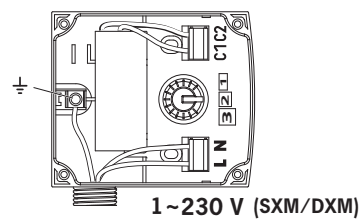
SINGLE CIRCULATORS

CXL 50-32
CXL 70-32
CXL 80-32
CXL 100-32
CXL 50-32-T2
CXL 50-32-T4
CXL 70-32-T2
CXL 70-32-T4
CXL 80-32-T2
CXL 80-32-T4
CXL 100-32-T4

TWIN CIRCULATORS

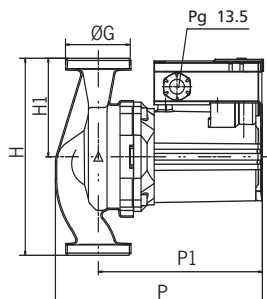
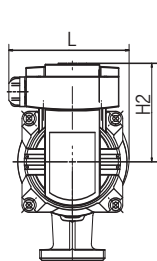
CXL 2020
CXL 2050
CXL 2070N
CXL 2080
CXL 2100N
CXL 2050-T2
CXL 2050-T4
CXL 2070N-T2
CXL 2070N-T4
CXL 2080-T2
CXL 2080-T4
CXL 2100N-T4

SPEED SELECTOR

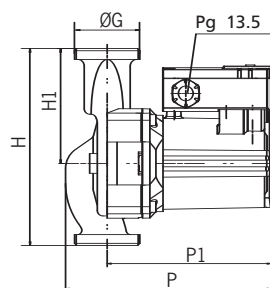
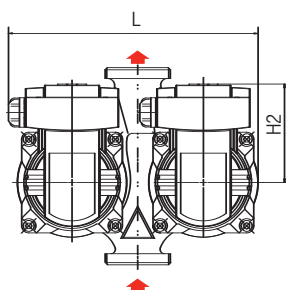


SCX-DCX - SXM-DXM

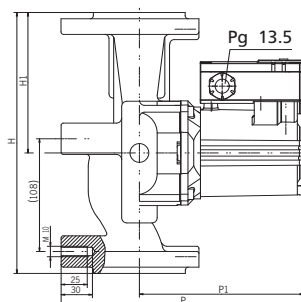
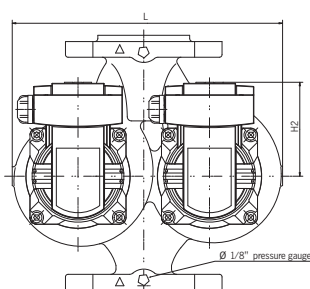
DIMENSIONS



CIRCULATORS with UNIONS



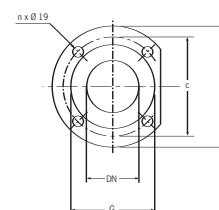
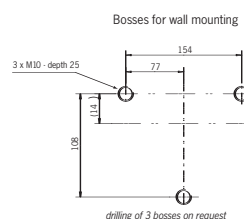
CIRCULATORS with FLANGES



FLANGES

PN 10 - EN 1092 - 2 - Suction - Discharge

ND	D	C	G	n x Ø
	mm	mm	mm	mm
40	150	110	84	4 x 19



TYPE	H	H1	H2	P	P1	L	MASS	Ø	Connection accessory for threaded pipe	
	mm	mm	mm	mm	mm	mm	kg	ports	Ø1 1/4"	Ø1"
CXL 2020	180	110	74	142	95	207	5.5	G2"	RU 3342	RED 2634
SCX 32-25	180	90	90	204	158	116	4.4	G2"	RU 3342	RED 2634
SXM 32-25							4.2			
SCX 32-35	180	90	90	189	150	110	3.8	G2"	RU 3342	RED 2634
SXM 32-35							4			
SCX 32-45	180	90	90	204	158	116	4.4	G2"	RU 3342	RED 2634
SXM 32-45							4.2			
SCX 32-50	180	90	90	189	150	110	4	G2"	RU 3342	RED 2634
SXM 32-50							3.8			
DCX 32-35	180	105	90	188	150	228	8.2	G2"	RU 3342	RED 2634
DXM 32-35							7.8			
DCX 32-50	180	105	90	188	150	228	8.2	G2"	RU 3342	RED 2634
DXM 32-50							7.8			
DCX 40-25	250	135	90	233	158	259	15	ND 40	with flanges - CB4049	
DXM 40-25							14.6			
DCX 40-45	250	135	90	233	158	259	15	ND 40	with flanges - CB4049	
DXM 40-45							14.6			

SCX-DCX - SXM-DXM

ELECTRICAL DATA

ORDER REFERENCE	P2	capacitor	position	speed	P1	current-[A]			Order reference Motor Head
	W	μF x V	speed selector	rpm	W max.	1~ 230V	3~230V	3~400V	
SXM 32-25	70	5	1	1710	110	0.55	-	-	BMXM32-25/40-25
			2	2340	150	0.75	-	-	
			3	2660	180	0.85	-	-	
SXM 32-35	50	3.7	1	1200	75	0.35	-	-	BMXM32-35
			2	1640	110	0.55	-	-	
			3	2320	140	0.65	-	-	
SXM 32-45	100	5	1	1100	130	0.65	-	-	BMXM32-45/40-45
			2	1480	200	1.00	-	-	
			3	2160	245	1.20	-	-	
SXM 32-50	80	5	1	1350	115	0.60	-	-	BMXM32-50
			2	1950	165	0.80	-	-	
			3	2420	205	1.00	-	-	
SCX 32-25	70		1	1810	75	-	0.25	0.15	BMCX32-25/40-25
			2	2120	105	-	0.35	0.20	
			3	2610	160	-	0.65	0.40	
SCX 32-35	50		1	1890	75	-	0.25	0.15	BMCX32-35
			2	2190	100	-	0.35	0.20	
			3	2650	150	-	0.65	0.40	
SCX 32-45	100		1	1410	105	-	0.35	0.20	BMCX32-45/40-45
			2	1700	160	-	0.50	0.30	
			3	2320	255	-	0.90	0.50	
SCX 32-50	80		1	1510	85	-	0.30	0.15	BMCX32-50
			2	1830	125	-	0.40	0.25	
			3	2420	200	-	0.75	0.45	
DXM 32-35	50	3.7	1	1200	75	0.35	-	-	BMXM32-35
			2	1640	110	0.55	-	-	
			3	2320	140	0.65	-	-	
DXM 32-50	80	5	1	1350	115	0.60	-	-	BMXM32-50
			2	1950	165	0.80	-	-	
			3	2420	205	1.00	-	-	
DXM 40-25	70	5	1	1710	110	0.55	-	-	BMXM32-25/40-25
			2	2340	150	0.75	-	-	
			3	2660	180	0.85	-	-	
DXM 40-45	100	5	1	1100	130	0.65	-	-	BMXM32-45/40-45
			2	1480	200	1.00	-	-	
			3	2160	245	1.20	-	-	
DCX 32-35	50		1	1890	75	-	0.25	0.15	BMCX32-35
			2	2190	100	-	0.35	0.20	
			3	2650	150	-	0.65	0.40	
DCX 32-50	80		1	1510	85	-	0.30	0.15	BMCX32-50
			2	1830	125	-	0.40	0.25	
			3	2420	200	-	0.75	0.45	
DCX 40-25	70		1	1810	75	-	0.25	0.15	BMCX32-25/40-25
			2	2120	105	-	0.35	0.20	
			3	2610	160	-	0.65	0.40	
DCX 40-45	100		1	1410	105	-	0.35	0.20	BMCX32-45/40-45
			2	1700	160	-	0.50	0.30	
			3	2320	255	-	0.90	0.50	
CXL 2020	20	2	1	1050	31	0.14	-	-	BMCXL20-20
			2	1520	47	0.21	-	-	
			3	1980	67	0.29	-	-	

FEATURES

a) Electrical

- Single-phase 230 V - 50 Hz with built-in capacitor.
- Three-phase 400 V or 230* V (50 Hz)
- * For 3~230V, order "speed selector":
ref. 2040641- sold separately.
- 1 Selector for SCX
- 2 Selectors for DCX

b) Installation

- Motor shaft always horizontal.
- Connection to the installation:
- Per unions and per weld-on or screw-on PN 10 counter-flange for DXM40-25, DXM 40-45, DCX40-25 and DCX 40-45

c) Packaging

- Union models: supplied with gaskets without unions.
- Flanges models: supplied with gaskets and bolts.

d) Maintenance

- Replacement of motor and hydraulic parts.

NB (REPLACEMENT)

The BMXM/BMCX references are complete assemblies with the motor head and impeller installed, not sold separately.

OPTIONS & ACCESSORIES

- Unions - **RU 3342** ref.: 58672 or **RED 2634** ref.: 58673 CB weld-on or screw on counter-flanges.
- MGP control and protection devices (twin circulators).

BLANK COVER*

With seals for twin models.

Type	Order reference	Item n°
CXL 2020	COUV.11	4045508
DCX-DXM 32-35/32-50	COUV.22	2044105
DCX-DXM 40-25/40-45		

* Blanks the opening left after the removal of the hydraulic assembly and motor.
Allows standby pump operation during the troubleshooting process.