

Wilo-CronoLine-IL-E





Your advantages

- > Energy savings due to integrated electronic power adjustment
- > Optional interfaces for bus communication using plug-in IF-Modules
- > Simple operation with Green Button Technology and display
- > Integrated dual pump management
- > Integrated full motor protection (PTC thermistor sensor) with trip electronics

Recommended services



Supervision



Commissioning



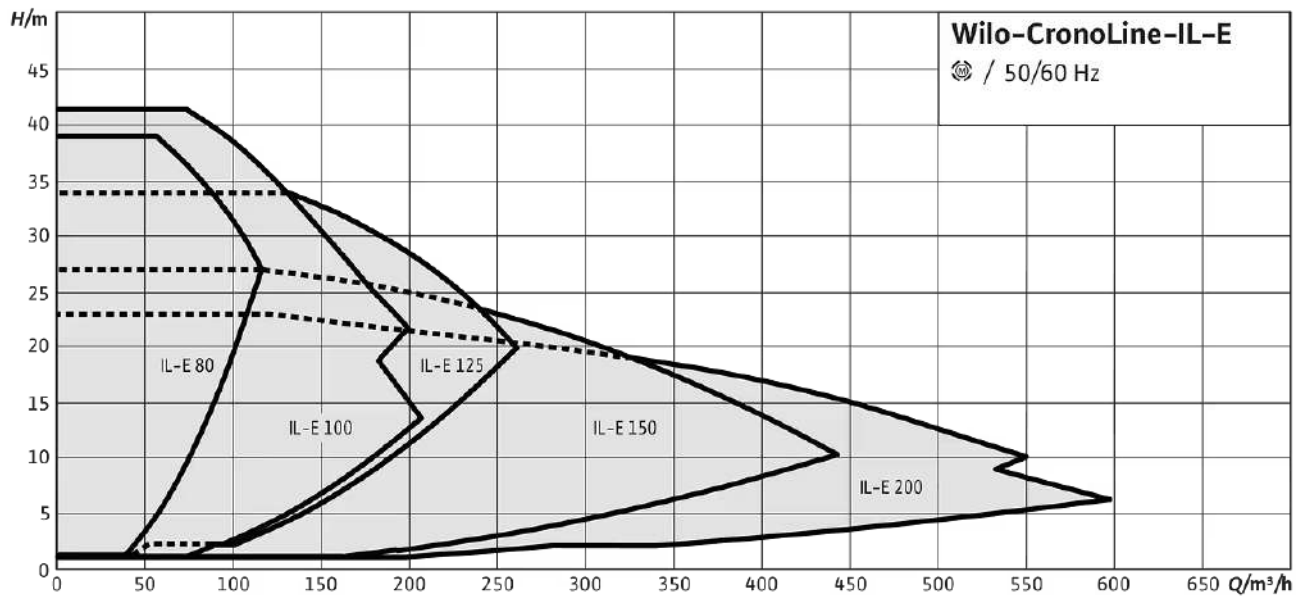
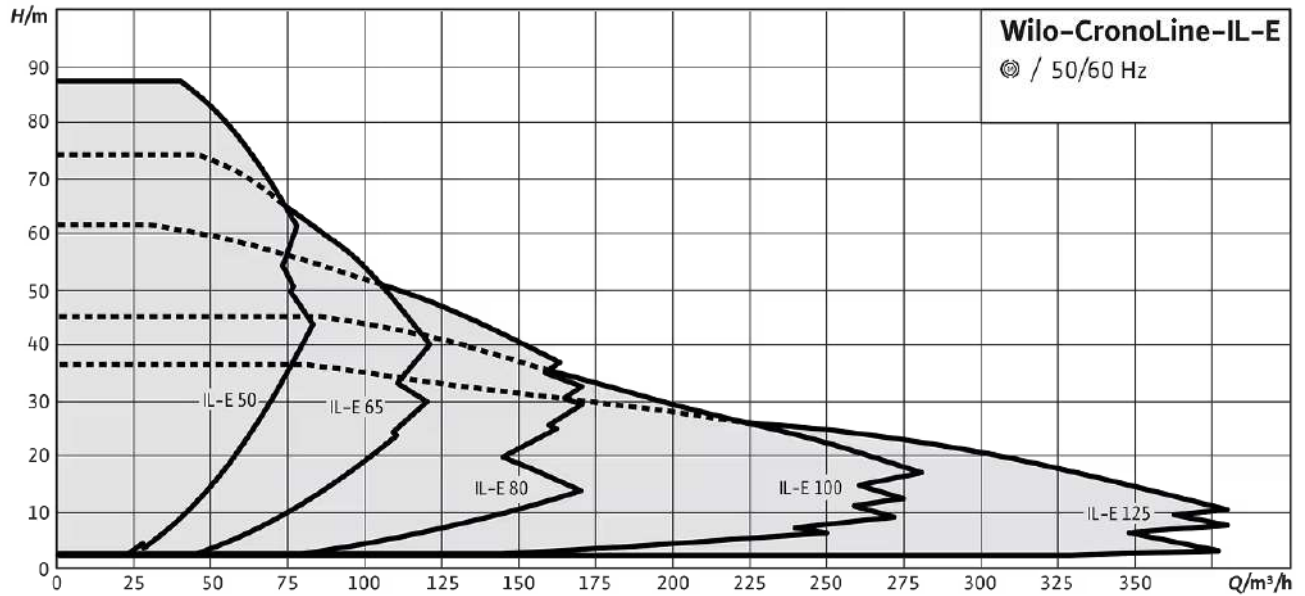
Maintenance

IE4

Eco-friendly features

- > Use of IE4 motor technology and hydraulics with an MEI ≥ 0.4 saves energy
- > Sustainable and carbon-neutral production and processes in our European factories





Design

Electronically controlled glanded single pump in in-line design with flange connection and automatic power adjustment

Application

The pumping of heating water (in accordance with VDI 2035), chilled water and water-glycol mixtures without abrasive substances in heating, chilled water and cooling systems.

Equipment/function

Operating modes

- > Δp -c for constant differential pressure
- > Δp -v for variable differential pressure
- > PID-Control
- > Constant speed (n =constant)

Manual operation level

- > Green button and display

Manual functions

- > Differential pressure setpoint setting
- > Setting the speed (manual control mode)
- > Setting the operating mode
- > Setting the pump ON/OFF
- > Configuration of all operating parameters
- > Fault acknowledgement

External control functions

- > "Overriding Off" control input
- > "External pump cycling" control input (only effective in twin-head pump operation)
- > Analogue input 0 – 10 V, 0 – 20 mA for constant speed (DDC) and remote setpoint adjustment
- > Analogue input 2 – 10 V, 4 – 20 mA for constant speed (DDC) and remote setpoint adjustment
- > Analogue input 0 – 10 V for actual value signal from pressure sensor
- > Analogue input 2 – 10 V, 0 – 20 mA, 4 – 20 mA for actual value signal from pressure sensor

Signal and display functions

- > Collective fault signal SSM
- > Collective run signal SBM

Data exchange

- > Infrared interface for wireless data exchange with IR-Stick
- > Plug-in position for Wilo IF-Modules (Modbus, BACnet, CAN, PLR, LON) for connection to building automation

Safety functions

- > Full motor protection with integrated trip electronics
- > Access disable

Dual pump management (twin-head pump or 2 x single pumps)

- > Main/standby operation (automatic fault-actuated switchover)
- > Pump cycling main/standby operation after 24 hours
- > Parallel operation
- > Parallel operation (efficiency-optimised peak-load activation and deactivation)

Typekey

Example	IL-E 50/190-11/2-R1
IL-E	In-line pump with electronic control
50	Nominal diameter DN of the pipe connection
190	Nominal impeller diameter
11	Rated power P2 in kW
2	Number of poles
R1	Version without pressure sensor

Technical data

- > Permissible temperature range of -20 °C to +140 °C
- > Mechanical seal for pumping water up to T_{max} = +140 °C. Up to T ≤ +40 °C, a glycol admixture of 20 % to 40 % by volume is permissible. An alternative mechanical seal must be provided for water-glycol mixtures with a glycol content of > 40% to max. 50% by volume and a fluid temperature of > +40 °C to max. +120 °C or other fluids that differ from water. When using water-glycol mixtures, the use of an S1 variant with a corresponding mechanical seal is generally recommended.
- > Mains connection
 - > 3~440 V ±10 %, 50/60 Hz
 - > 3~400 V ±10%, 50/60 Hz
 - > 3~380 V -5% +10%, 50/60 Hz
- > Compliance with electromagnetic compatibility without additional measures:
 - > Interference emission for residential environment according to EN 61800-3:2018
 - > Interference immunity for industrial environments according to EN 61800-3:2018
- > Protection class IP55
- > Nominal diameter DN 40 to DN 200
- > Max. operating pressure 16 bar up to +120 °C, 13 bar up to +140 °C

Materials

- > Pump housing and lantern: EN-GJL-250
- > Impeller
 - > Standard version: EN-GJL-200
 - > Special version: Bronze CuSn 10
 - > Special version: Stainless steel 1.4408
- > Shaft: 1.4122
- > Mechanical seal: AQEGG; other mechanical seals on request

Construction

Single-stage, low-pressure centrifugal pump in in-line design with

- > Mechanical seal
- > Flange connection
- > Lantern
- > Coupling
- > Drive with integrated electronic speed control

Scope of delivery

- > Pump
- > Installation and operating instructions

Options

- > ...-R1 variant without differential pressure sensor
- > ...-L1 variant with bronze impeller (at additional charge)
- > ...-L4 variant with stainless steel impeller (at additional charge)

Accessories

- > 3 mounting brackets with fixation material for installation on a base
- > IR-Stick
- > IF module PLR for connecting to PLR/interface converter
- > IF module LON for connection to the LONWORKS network
- > IF module BACnet
- > IF module Modbus
- > IF module CAN
- > Control system VR-HVAC
- > Control system CCe-HVAC
- > Control system SCe-HVAC
- > Differential pressure sensor (DDG)

Product list

Product description	MEI	IE	Nominal flange diameter	Mechanical seal	Port-to-port length L_0	Rated power P_2	Phase	Article number	GRD group
CronoLine IL-E 40/170-5,5/2	≥0.4	IE4	DN 40	AQ1EGG	340 mm	5.5 kW	3	2159314	4
CronoLine IL-E 40/170-5,5/2-R1	≥0.4	IE4	DN 40	AQ1EGG	340 mm	5.5 kW	3	2159362	4
CronoLine IL-E 40/170-5,5/2-R1-S1	≥0.4	IE4	DN 40	Q1Q1X4GG	340 mm	5.5 kW	3	2171030	4
CronoLine IL-E 40/170-5,5/2-S1	≥0.4	IE4	DN 40	Q1Q1X4GG	340 mm	5.5 kW	3	2171007	4
CronoLine IL-E 40/200-7,5/2	≥0.4	IE4	DN 40	AQ1EGG	440 mm	7.5 kW	3	2159315	5
CronoLine IL-E 40/200-7,5/2-R1	≥0.4	IE4	DN 40	AQ1EGG	440 mm	7.5 kW	3	2159363	5
CronoLine IL-E 40/200-7,5/2-R1-S1	≥0.4	IE4	DN 40	Q1Q1X4GG	440 mm	7.5 kW	3	2171031	5
CronoLine IL-E 40/200-7,5/2-S1	≥0.4	IE4	DN 40	Q1Q1X4GG	440 mm	7.5 kW	3	2171008	5
CronoLine IL-E 40/210-11/2	≥0.4	IE4	DN 40	AQ1EGG	390 mm	11 kW	3	2231556	12
CronoLine IL-E 40/210-11/2-R1	≥0.4	IE4	DN 40	AQ1EGG	390 mm	11 kW	3	2231558	12
CronoLine IL-E 40/210-11/2-R1-S1	≥0.4	IE4	DN 40	Q1Q1X4GG	390 mm	11 kW	3	2231559	12
CronoLine IL-E 40/210-11/2-S1	≥0.4	IE4	DN 40	Q1Q1X4GG	390 mm	11 kW	3	2231557	12
CronoLine IL-E 50/160-5,5/2	≥0.4	IE4	DN 50	AQ1EGG	340 mm	5.5 kW	3	2159316	5
CronoLine IL-E 50/160-5,5/2-R1	≥0.4	IE4	DN 50	AQ1EGG	340 mm	5.5 kW	3	2159364	5
CronoLine IL-E 50/160-5,5/2-R1-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	340 mm	5.5 kW	3	2171033	5
CronoLine IL-E 50/160-5,5/2-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	340 mm	5.5 kW	3	2171009	5
CronoLine IL-E 50/170-7,5/2	≥0.4	IE4	DN 50	AQ1EGG	340 mm	7.5 kW	3	2159317	5
CronoLine IL-E 50/170-7,5/2-R1	≥0.4	IE4	DN 50	AQ1EGG	340 mm	7.5 kW	3	2159365	5
CronoLine IL-E 50/170-7,5/2-R1-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	340 mm	7.5 kW	3	2171034	5
CronoLine IL-E 50/170-7,5/2-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	340 mm	7.5 kW	3	2171010	5
CronoLine IL-E 50/180-7,5/2	≥0.4	IE4	DN 50	AQ1EGG	440 mm	7.5 kW	3	2159318	5
CronoLine IL-E 50/180-7,5/2-R1	≥0.4	IE4	DN 50	AQ1EGG	440 mm	7.5 kW	3	2159366	5
CronoLine IL-E 50/180-7,5/2-R1-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	7.5 kW	3	2171035	5
CronoLine IL-E 50/180-7,5/2-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	7.5 kW	3	2171011	5
CronoLine IL-E 50/190-11/2	≥0.4	IE4	DN 50	AQ1EGG	440 mm	11 kW	3	2221346	12
CronoLine IL-E 50/190-11/2-R1	≥0.4	IE4	DN 50	AQ1EGG	440 mm	11 kW	3	2221348	12
CronoLine IL-E 50/190-11/2-R1-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	11 kW	3	2221349	12
CronoLine IL-E 50/190-11/2-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	11 kW	3	2221347	12
CronoLine IL-E 50/200-15/2	≥0.4	IE4	DN 50	AQ1EGG	440 mm	15 kW	3	2221342	12
CronoLine IL-E 50/200-15/2-R1	≥0.4	IE4	DN 50	AQ1EGG	440 mm	15 kW	3	2221344	12
CronoLine IL-E 50/200-15/2-R1-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	15 kW	3	2221345	12
CronoLine IL-E 50/200-15/2-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	15 kW	3	2221343	12
CronoLine IL-E 50/230-18,5/2	≥0.4	IE4	DN 50	AQ1EGG	440 mm	18.5 kW	3	2221354	12
CronoLine IL-E 50/230-18,5/2-R1	≥0.4	IE4	DN 50	AQ1EGG	440 mm	18.5 kW	3	2221356	12
CronoLine IL-E 50/230-18,5/2-R1-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	18.5 kW	3	2221357	12
CronoLine IL-E 50/230-18,5/2-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	18.5 kW	3	2221355	12
CronoLine IL-E 50/240-22/2	≥0.4	IE4	DN 50	AQ1EGG	440 mm	22 kW	3	2221350	12
CronoLine IL-E 50/240-22/2-R1	≥0.4	IE4	DN 50	AQ1EGG	440 mm	22 kW	3	2221352	12
CronoLine IL-E 50/240-22/2-R1-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	22 kW	3	2221353	12

Product description	MEI	IE	Nominal flange diameter	Mechanical seal	Port-to-port length L ₀	Rated power P ₂	Phase	Article number	GRD group
CronoLine IL-E 50/240-22/2-S1	≥0.4	IE4	DN 50	Q1Q1X4GG	440 mm	22 kW	3	2221351	12
CronoLine IL-E 65/150-11/2	≥0.4	IE4	DN 65	AQ1EGG	430 mm	11 kW	3	2221358	12
CronoLine IL-E 65/150-11/2-R1	≥0.4	IE4	DN 65	AQ1EGG	430 mm	11 kW	3	2221360	12
CronoLine IL-E 65/150-11/2-R1-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	430 mm	11 kW	3	2221361	12
CronoLine IL-E 65/150-11/2-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	430 mm	11 kW	3	2221359	12
CronoLine IL-E 65/160-15/2	≥0.4	IE4	DN 65	AQ1EGG	430 mm	15 kW	3	2226302	12
CronoLine IL-E 65/160-15/2-R1	≥0.4	IE4	DN 65	AQ1EGG	430 mm	15 kW	3	2226304	12
CronoLine IL-E 65/160-15/2-R1-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	430 mm	15 kW	3	2226305	12
CronoLine IL-E 65/160-15/2-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	430 mm	15 kW	3	2226303	12
CronoLine IL-E 65/180-15/2	≥0.4	IE4	DN 65	AQ1EGG	475 mm	15 kW	3	2221370	12
CronoLine IL-E 65/180-15/2-R1	≥0.4	IE4	DN 65	AQ1EGG	475 mm	15 kW	3	2221372	12
CronoLine IL-E 65/180-15/2-R1-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	475 mm	15 kW	3	2221373	12
CronoLine IL-E 65/180-15/2-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	475 mm	15 kW	3	2221371	12
CronoLine IL-E 65/190-18,5/2	≥0.4	IE4	DN 65	AQ1EGG	475 mm	18.5 kW	3	2221366	12
CronoLine IL-E 65/190-18,5/2-R1	≥0.4	IE4	DN 65	AQ1EGG	475 mm	18.5 kW	3	2221368	12
CronoLine IL-E 65/190-18,5/2-R1-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	475 mm	18.5 kW	3	2221369	12
CronoLine IL-E 65/190-18,5/2-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	475 mm	18.5 kW	3	2221367	12
CronoLine IL-E 65/200-22/2	≥0.4	IE4	DN 65	AQ1EGG	475 mm	22 kW	3	2221362	12
CronoLine IL-E 65/200-22/2-R1	≥0.4	IE4	DN 65	AQ1EGG	475 mm	22 kW	3	2221364	12
CronoLine IL-E 65/200-22/2-R1-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	475 mm	22 kW	3	2221365	12
CronoLine IL-E 65/200-22/2-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	475 mm	22 kW	3	2221363	12
CronoLine IL-E 65/230-22/2	≥0.4	IE4	DN 65	AQ1EGG	475 mm	22 kW	3	2221374	12
CronoLine IL-E 65/230-22/2-R1	≥0.4	IE4	DN 65	AQ1EGG	475 mm	22 kW	3	2221376	12
CronoLine IL-E 65/230-22/2-R1-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	475 mm	22 kW	3	2221377	12
CronoLine IL-E 65/230-22/2-S1	≥0.4	IE4	DN 65	Q1Q1X4GG	475 mm	22 kW	3	2221375	12
CronoLine IL-E 80/130-11/2	≥0.4	IE4	DN 80	AQ1EGG	440 mm	11 kW	3	2221386	12
CronoLine IL-E 80/130-11/2-R1	≥0.4	IE4	DN 80	AQ1EGG	440 mm	11 kW	3	2221388	12
CronoLine IL-E 80/130-11/2-R1-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	440 mm	11 kW	3	2221389	12
CronoLine IL-E 80/130-11/2-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	440 mm	11 kW	3	2221387	12
CronoLine IL-E 80/140-15/2	≥0.4	IE4	DN 80	AQ1EGG	440 mm	15 kW	3	2221382	12
CronoLine IL-E 80/140-15/2-R1	≥0.4	IE4	DN 80	AQ1EGG	440 mm	15 kW	3	2221384	12
CronoLine IL-E 80/140-15/2-R1-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	440 mm	15 kW	3	2221385	12
CronoLine IL-E 80/140-15/2-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	440 mm	15 kW	3	2221383	12
CronoLine IL-E 80/150-18,5/2	≥0.4	IE4	DN 80	AQ1EGG	440 mm	18.5 kW	3	2221378	12
CronoLine IL-E 80/150-18,5/2-R1	≥0.4	IE4	DN 80	AQ1EGG	440 mm	18.5 kW	3	2221380	12
CronoLine IL-E 80/150-18,5/2-R1-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	440 mm	18.5 kW	3	2221381	12
CronoLine IL-E 80/150-18,5/2-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	440 mm	18.5 kW	3	2221379	12
CronoLine IL-E 80/160-22/2	≥0.4	IE4	DN 80	AQ1EGG	440 mm	22 kW	3	2226306	12
CronoLine IL-E 80/160-22/2-R1	≥0.4	IE4	DN 80	AQ1EGG	440 mm	22 kW	3	2226308	12
CronoLine IL-E 80/160-22/2-R1-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	440 mm	22 kW	3	2226309	12
CronoLine IL-E 80/160-22/2-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	440 mm	22 kW	3	2226307	12

Product description	MEI	IE	Nominal flange diameter	Mechanical seal	Port-to-port length L ₀	Rated power P ₂	Phase	Article number	GRD group
CronoLine IL-E 80/170-22/2	≥0.4	IE4	DN 80	AQ1EGG	500 mm	22 kW	3	2221390	12
CronoLine IL-E 80/170-22/2-R1	≥0.4	IE4	DN 80	AQ1EGG	500 mm	22 kW	3	2221392	12
CronoLine IL-E 80/170-22/2-R1-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	500 mm	22 kW	3	2221393	12
CronoLine IL-E 80/170-22/2-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	500 mm	22 kW	3	2221391	12
CronoLine IL-E 80/305-11/4	≥0.4	IE4	DN 80	AQ1EGG	620 mm	11 kW	3	2221270	13
CronoLine IL-E 80/305-11/4-R1	≥0.4	IE4	DN 80	AQ1EGG	620 mm	11 kW	3	2221272	13
CronoLine IL-E 80/305-11/4-R1-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	620 mm	11 kW	3	2221273	13
CronoLine IL-E 80/305-11/4-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	620 mm	11 kW	3	2221271	13
CronoLine IL-E 80/315-15/4	≥0.4	IE4	DN 80	AQ1EGG	620 mm	15 kW	3	2221266	13
CronoLine IL-E 80/315-15/4-R1	≥0.4	IE4	DN 80	AQ1EGG	620 mm	15 kW	3	2221268	13
CronoLine IL-E 80/315-15/4-R1-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	620 mm	15 kW	3	2221269	13
CronoLine IL-E 80/315-15/4-S1	≥0.4	IE4	DN 80	Q1Q1X4GG	620 mm	15 kW	3	2221267	13
CronoLine IL-E 100/120-11/2	≥0.4	IE4	DN 100	AQ1EGG	500 mm	11 kW	3	2221406	12
CronoLine IL-E 100/120-11/2-R1	≥0.4	IE4	DN 100	AQ1EGG	500 mm	11 kW	3	2221408	12
CronoLine IL-E 100/120-11/2-R1-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	500 mm	11 kW	3	2221409	12
CronoLine IL-E 100/120-11/2-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	500 mm	11 kW	3	2221407	12
CronoLine IL-E 100/130-15/2	≥0.4	IE4	DN 100	AQ1EGG	500 mm	15 kW	3	2221402	12
CronoLine IL-E 100/130-15/2-R1	≥0.4	IE4	DN 100	AQ1EGG	500 mm	15 kW	3	2221404	12
CronoLine IL-E 100/130-15/2-R1-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	500 mm	15 kW	3	2221405	12
CronoLine IL-E 100/130-15/2-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	500 mm	15 kW	3	2221403	12
CronoLine IL-E 100/140-18,5/2	≥0.4	IE4	DN 100	AQ1EGG	500 mm	18.5 kW	3	2221398	12
CronoLine IL-E 100/140-18,5/2-R1	≥0.4	IE4	DN 100	AQ1EGG	500 mm	18.5 kW	3	2221400	12
CronoLine IL-E 100/140-18,5/2-R1-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	500 mm	18.5 kW	3	2221401	12
CronoLine IL-E 100/140-18,5/2-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	500 mm	18.5 kW	3	2221399	12
CronoLine IL-E 100/150-22/2	≥0.4	IE4	DN 100	AQ1EGG	500 mm	22 kW	3	2221394	12
CronoLine IL-E 100/150-22/2-R1	≥0.4	IE4	DN 100	AQ1EGG	500 mm	22 kW	3	2221396	12
CronoLine IL-E 100/150-22/2-R1-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	500 mm	22 kW	3	2221397	12
CronoLine IL-E 100/150-22/2-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	500 mm	22 kW	3	2221395	12
CronoLine IL-E 100/165-22/2	≥0.4	IE4	DN 100	AQ1EGG	550 mm	22 kW	3	2221410	13
CronoLine IL-E 100/165-22/2-R1	≥0.4	IE4	DN 100	AQ1EGG	550 mm	22 kW	3	2221412	13
CronoLine IL-E 100/165-22/2-R1-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	550 mm	22 kW	3	2221413	13
CronoLine IL-E 100/165-22/2-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	550 mm	22 kW	3	2221411	13
CronoLine IL-E 100/250-11/4	≥0.4	IE4	DN 100	AQ1EGG	550 mm	11 kW	3	2221274	13
CronoLine IL-E 100/250-11/4-R1	≥0.4	IE4	DN 100	AQ1EGG	550 mm	11 kW	3	2221276	13
CronoLine IL-E 100/250-11/4-R1-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	550 mm	11 kW	3	2221277	13
CronoLine IL-E 100/250-11/4-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	550 mm	11 kW	3	2221275	13
CronoLine IL-E 100/295-15/4	≥0.4	IE4	DN 100	AQ1EGG	700 mm	15 kW	3	2221286	13
CronoLine IL-E 100/295-15/4-R1	≥0.4	IE4	DN 100	AQ1EGG	700 mm	15 kW	3	2221288	13
CronoLine IL-E 100/295-15/4-R1-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	700 mm	15 kW	3	2221289	13
CronoLine IL-E 100/295-15/4-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	700 mm	15 kW	3	2221287	13
CronoLine IL-E 100/305-18,5/4	≥0.4	IE4	DN 100	AQ1EGG	700 mm	18.5 kW	3	2221282	13

Product description	MEI	IE	Nominal flange diameter	Mechanical seal	Port-to-port length L_0	Rated power P_2	Phase	Article number	GRD group
CronoLine IL-E 100/305-18,5/4-R1	≥0.4	IE4	DN 100	AQ1EGG	700 mm	18.5 kW	3	2221284	13
CronoLine IL-E 100/305-18,5/4-R1-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	700 mm	18.5 kW	3	2221285	13
CronoLine IL-E 100/305-18,5/4-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	700 mm	18.5 kW	3	2221283	13
CronoLine IL-E 100/315-22/4	≥0.4	IE4	DN 100	AQ1EGG	700 mm	22 kW	3	2221278	13
CronoLine IL-E 100/315-22/4-R1	≥0.4	IE4	DN 100	AQ1EGG	700 mm	22 kW	3	2221280	13
CronoLine IL-E 100/315-22/4-R1-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	700 mm	22 kW	3	2221281	13
CronoLine IL-E 100/315-22/4-S1	≥0.4	IE4	DN 100	Q1Q1X4GG	700 mm	22 kW	3	2221279	13
CronoLine IL-E 125/130-15/2	≥0.4	IE4	DN 125	AQ1EGG	620 mm	15 kW	3	2221422	13
CronoLine IL-E 125/130-15/2-R1	≥0.4	IE4	DN 125	AQ1EGG	620 mm	15 kW	3	2221424	13
CronoLine IL-E 125/130-15/2-R1-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	15 kW	3	2221425	13
CronoLine IL-E 125/130-15/2-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	15 kW	3	2221423	13
CronoLine IL-E 125/140-18,5/2	≥0.4	IE4	DN 125	AQ1EGG	620 mm	18.5 kW	3	2221418	13
CronoLine IL-E 125/140-18,5/2-R1	≥0.4	IE4	DN 125	AQ1EGG	620 mm	18.5 kW	3	2221420	13
CronoLine IL-E 125/140-18,5/2-R1-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	18.5 kW	3	2221421	13
CronoLine IL-E 125/140-18,5/2-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	18.5 kW	3	2221419	13
CronoLine IL-E 125/150-22/2	≥0.4	IE4	DN 125	AQ1EGG	620 mm	22 kW	3	2221414	13
CronoLine IL-E 125/150-22/2-R1	≥0.4	IE4	DN 125	AQ1EGG	620 mm	22 kW	3	2221416	13
CronoLine IL-E 125/150-22/2-R1-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	22 kW	3	2221417	13
CronoLine IL-E 125/150-22/2-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	22 kW	3	2221415	13
CronoLine IL-E 125/240-11/4	≥0.4	IE4	DN 125	AQ1EGG	620 mm	11 kW	3	2221294	13
CronoLine IL-E 125/240-11/4-R1	≥0.4	IE4	DN 125	AQ1EGG	620 mm	11 kW	3	2221296	13
CronoLine IL-E 125/240-11/4-R1-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	11 kW	3	2221297	13
CronoLine IL-E 125/240-11/4-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	11 kW	3	2221295	13
CronoLine IL-E 125/250-15/4	≥0.4	IE4	DN 125	AQ1EGG	620 mm	15 kW	3	2221290	13
CronoLine IL-E 125/250-15/4-R1	≥0.4	IE4	DN 125	AQ1EGG	620 mm	15 kW	3	2221292	13
CronoLine IL-E 125/250-15/4-R1-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	15 kW	3	2221293	13
CronoLine IL-E 125/250-15/4-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	620 mm	15 kW	3	2221291	13
CronoLine IL-E 125/295-18,5/4	≥0.4	IE4	DN 125	AQ1EGG	700 mm	18.5 kW	3	2221302	13
CronoLine IL-E 125/295-18,5/4-R1	≥0.4	IE4	DN 125	AQ1EGG	700 mm	18.5 kW	3	2221304	13
CronoLine IL-E 125/295-18,5/4-R1-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	700 mm	18.5 kW	3	2221305	13
CronoLine IL-E 125/295-18,5/4-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	700 mm	18.5 kW	3	2221303	13
CronoLine IL-E 125/305-22/4	≥0.4	IE4	DN 125	AQ1EGG	700 mm	22 kW	3	2221298	13
CronoLine IL-E 125/305-22/4-R1	≥0.4	IE4	DN 125	AQ1EGG	700 mm	22 kW	3	2221300	13
CronoLine IL-E 125/305-22/4-R1-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	700 mm	22 kW	3	2221301	13
CronoLine IL-E 125/305-22/4-S1	≥0.4	IE4	DN 125	Q1Q1X4GG	700 mm	22 kW	3	2221299	13
CronoLine IL-E 150/190-5,5/4	≥0.4	IE4	DN 150	AQ1EGG	700 mm	5.5 kW	3	2159328	5
CronoLine IL-E 150/190-5,5/4-R1	≥0.4	IE4	DN 150	AQ1EGG	700 mm	5.5 kW	3	2159376	5
CronoLine IL-E 150/190-5,5/4-R1-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	5.5 kW	3	2193266	5
CronoLine IL-E 150/190-5,5/4-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	5.5 kW	3	2193261	5
CronoLine IL-E 150/190-11/4	≥0.4	IE4	DN 150	AQ1EGG	700 mm	11 kW	3	2221306	13
CronoLine IL-E 150/190-11/4-R1	≥0.4	IE4	DN 150	AQ1EGG	700 mm	11 kW	3	2221308	13

Product description	MEI	IE	Nominal flange diameter	Mechanical seal	Port-to-port length L_0	Rated power P_2	Phase	Article number	GRD group
CronoLine IL-E 150/190-11/4-R1-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	11 kW	3	2221309	13
CronoLine IL-E 150/190-11/4-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	11 kW	3	2221307	13
CronoLine IL-E 150/200-7,5/4	≥0.4	IE4	DN 150	AQ1EGG	700 mm	7.5 kW	3	2159329	5
CronoLine IL-E 150/200-7,5/4-R1	≥0.4	IE4	DN 150	AQ1EGG	700 mm	7.5 kW	3	2159377	5
CronoLine IL-E 150/200-7,5/4-R1-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	7.5 kW	3	2193267	5
CronoLine IL-E 150/200-7,5/4-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	7.5 kW	3	2193262	5
CronoLine IL-E 150/200-15/4	≥0.4	IE4	DN 150	AQ1EGG	700 mm	15 kW	3	2226298	13
CronoLine IL-E 150/200-15/4-R1	≥0.4	IE4	DN 150	AQ1EGG	700 mm	15 kW	3	2226300	13
CronoLine IL-E 150/200-15/4-R1-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	15 kW	3	2226301	13
CronoLine IL-E 150/200-15/4-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	15 kW	3	2226299	13
CronoLine IL-E 150/230-15/4	≥0.4	IE4	DN 150	AQ1EGG	700 mm	15 kW	3	2221318	13
CronoLine IL-E 150/230-15/4-R1	≥0.4	IE4	DN 150	AQ1EGG	700 mm	15 kW	3	2221320	13
CronoLine IL-E 150/230-15/4-R1-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	15 kW	3	2221321	13
CronoLine IL-E 150/230-15/4-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	15 kW	3	2221319	13
CronoLine IL-E 150/240-18,5/4	≥0.4	IE4	DN 150	AQ1EGG	700 mm	18.5 kW	3	2221314	13
CronoLine IL-E 150/240-18,5/4-R1	-	-	-	-	-	-	-	2221316	13
CronoLine IL-E 150/240-18,5/4-R1-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	18.5 kW	3	2221317	13
CronoLine IL-E 150/240-18,5/4-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	18.5 kW	3	2221315	13
CronoLine IL-E 150/250-22/4	≥0.4	IE4	DN 150	AQ1EGG	700 mm	22 kW	3	2221310	13
CronoLine IL-E 150/250-22/4-R1	≥0.4	IE4	DN 150	AQ1EGG	700 mm	22 kW	3	2221312	13
CronoLine IL-E 150/250-22/4-R1-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	22 kW	3	2221313	13
CronoLine IL-E 150/250-22/4-S1	≥0.4	IE4	DN 150	Q1Q1X4GG	700 mm	22 kW	3	2221311	13
CronoLine IL-E 200/190-11/4	≥0.4	IE4	DN 200	AQ1EGG	800 mm	11 kW	3	2221326	14
CronoLine IL-E 200/190-11/4-R1	≥0.4	IE4	DN 200	AQ1EGG	800 mm	11 kW	3	2221328	14
CronoLine IL-E 200/190-11/4-R1-S1	≥0.4	IE4	DN 200	Q1Q1X4GG	800 mm	11 kW	3	2221329	14
CronoLine IL-E 200/190-11/4-S1	≥0.4	IE4	DN 200	Q1Q1X4GG	800 mm	11 kW	3	2221327	14
CronoLine IL-E 200/200-15/4	≥0.4	IE4	DN 200	AQ1EGG	800 mm	15 kW	3	2221322	14
CronoLine IL-E 200/200-15/4-R1	≥0.4	IE4	DN 200	AQ1EGG	800 mm	15 kW	3	2221324	14
CronoLine IL-E 200/200-15/4-R1-S1	≥0.4	IE4	DN 200	Q1Q1X4GG	800 mm	15 kW	3	2221325	14
CronoLine IL-E 200/200-15/4-S1	≥0.4	IE4	DN 200	Q1Q1X4GG	800 mm	15 kW	3	2221323	14
CronoLine IL-E 200/230-18,5/4	≥0.4	IE4	DN 200	AQ1EGG	800 mm	18.5 kW	3	2221334	14
CronoLine IL-E 200/230-18,5/4-R1	≥0.4	IE4	DN 200	AQ1EGG	800 mm	18.5 kW	3	2221336	14
CronoLine IL-E 200/230-18,5/4-R1-S1	≥0.4	IE4	DN 200	Q1Q1X4GG	800 mm	18.5 kW	3	2221337	14
CronoLine IL-E 200/230-18,5/4-S1	≥0.4	IE4	DN 200	Q1Q1X4GG	800 mm	18.5 kW	3	2221335	14
CronoLine IL-E 200/240-22/4	≥0.4	IE4	DN 200	AQ1EGG	800 mm	22 kW	3	2221330	14
CronoLine IL-E 200/240-22/4-R1	≥0.4	IE4	DN 200	AQ1EGG	800 mm	22 kW	3	2221332	14
CronoLine IL-E 200/240-22/4-R1-S1	≥0.4	IE4	DN 200	Q1Q1X4GG	800 mm	22 kW	3	2221333	14
CronoLine IL-E 200/240-22/4-S1	≥0.4	IE4	DN 200	Q1Q1X4GG	800 mm	22 kW	3	2221331	14

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