

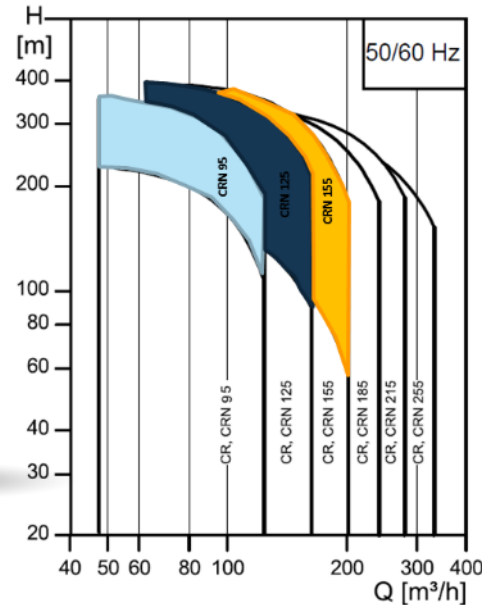
# 2022 Products Update

- All CM pumps with 3 phase motors and > 0.75kW will convert to IE3 in 2022
- The conversion will focus on all motor voltages (F / G / O / O – KEMCO)



## [ CR High Pressure Range ]

- The maximum head for CR 95 / 125 / 155 can be up to 400m
- Only the SS 316 (N version) is available
- To be used with Variable Frequency Drive
- 11 models 50Hz are available
- 12 models 60Hz are available



AVAILABLE: From SEPT 2022



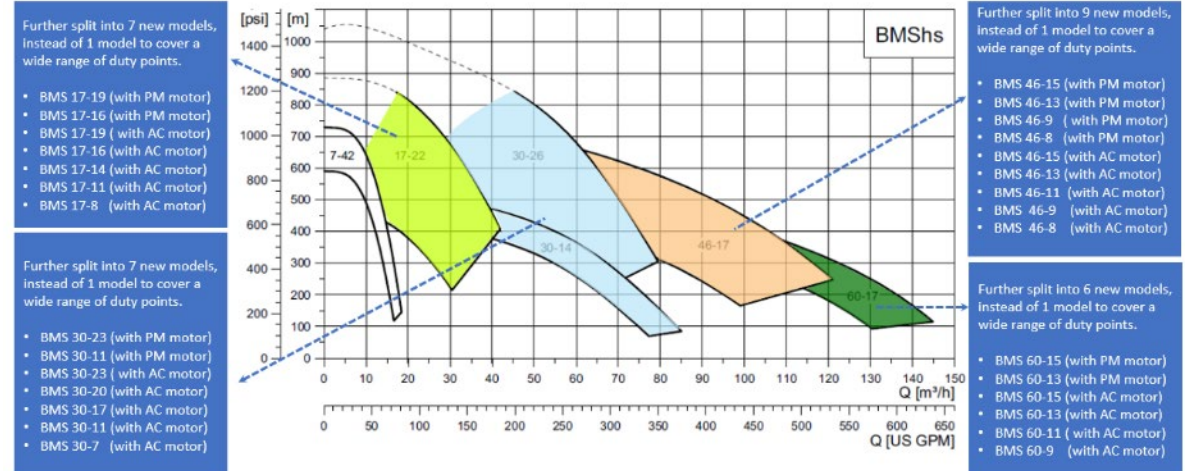
[Click HERE for instruction](#)

AVAILABLE in GPC :  
From NOV 2022

- Sizing features:
  - Compare sizing (Standard pump vs E pump)
  - LCC View : Payback time of Standard pump vs E pump
  - Optimized selection based on :
    - ❖ Life-cycle cost
    - ❖ Energy consumption
    - ❖ Price
    - ❖ Compactness (Physical dimensions)

Criteria	Product name	P2 [kW]	Energy [kWh/year]	Life cycle cost [EUR/10 years]	Price index	Pump + motor length [mm]
Lowest LCC	<a href="#">CRE 10-5</a>	2.2	3586	16383	166	727
Lowest energy	<a href="#">CRE 10-6</a>	3	3363	16554	196	822
Lowest price	<a href="#">CR 10-7</a>	3	5276	19837	100	853
Most compact	<a href="#">CRE 10-4</a>	2.2	3815	16971	161	697

## [ Extended BMS hs PM/AC Booster System Performance ]



AVAILABLE: From APR 2022

# 2023 New Products Launch



## [ Upgrade Saver 3 MGE ]

Upgrade MGE motor from 15 kW to 26kW with new features.

### Physical New Features

- IE5 PM Motor
- Safe Torque off (STO)
- Bluetooth connectivity
- Ethernet port (Built-in)
- Modbus RTU (Built-in)

### Software New Features

- Fast ramp-up time
- Curve compensation
- Power-limit curves
- High speed operation (at 4000RPM)



## [ Single Phase MG, IE2 Motors ]

- Target Product : CM/CM Booster /CRs/TPs
- Release Countries: Singapore, Malaysia, Indonesia, Thailand, Vietnam, Taiwan, Korea, Australia, New Zealand, Philippine, Japan
- Range Specification: Applicable to single phase, 50Hz models, 0.12kW to 2.2kW
- Key Features: IE2 for single phase = highest efficiency demand\*.

\* Mandatory in EU from 1<sup>st</sup> July 2023 for 0.12kW and above



## [ New MTHE Range ]

- Target customers: Chiller OEMs
- Application: Recirculation of coolant / liquid for machines
- Range specification:
  - 12 new models
  - Q = up to 10m<sup>3</sup>/h
  - H = up to 100m
- Key features:
  - Power-limit curve
  - Drainage back to Tank (DBT)
  - High efficient PM motor
  - Easy system control

