NORMALIZED CENTRIUGAL ELECTRIC PUMP- 2900 rpm
IRX40-125B
DESCRIPTION
Close-
coupled electric pump with axial suction and pump body with normalized dimensions according to EN7 33, suitable for recirculation plant, heating, heat recovery, water supply systems, pressurization groups.

USES
Recirculation, heating, air conditioning, heat recovery, water supply systems, pressurization groups.

MEI index according to EU Regulation 547/2012
MEI > 0,1
Pumps with MEI <0.4 are not compliant with Directive 2009/125 / EC (ERP) and without CE mark.
All pumps, however, comply with Machine Directive 2006/42/EC and Low Voltage Directive 2014/35/EU and are available for countries outside the EEA (European Economic Area).

CONSTRUCTION FEATURES
The motor group and the rotating part of the pump,can be removed without having to remove the pum p body from the piping of the plant.
Hydraulics: pump body with dimensions and performances according to EN 733 standard, dynamically b alanced closed impeller and balancing holes for balancing the axial thrust. All stainless steel shaft.

IMPELLER
Impeller material: Precision cast Stainless steel AISI 316 (1.4408)
Shaft material: Duplex Stainless steel (1.4362)
Impeller diameter: 134 mm

FLANGES
TYPE : UNI EN 1092-1
- Outlet : DN 40 - PN10/PN16
- Suction : DN 65 - PN10/PN16

MOTOR
Motor Directive 2009/125/EC (ErP) compliant
Type: SAER MT2 - IE2 - 90-2P-3 , made in Italy
Nominal power: 2.2 kW
Voltage / Frequency / N. phases: 400 V / 50 Hz / 3~
Poles: 2
Motor efficiency: 83.2 %
Efficiency class according to IEC 60034-30: IE2
Insulation class: F
Protection: IP 55

COATING
Two-component epoxy coating suitable for contact
with drinking water.
Resistance to the corrosion corresponding to the cycle

C3M according to EN12944-6 (on request cycle C5M).

REQUESTED DATA
Q=0 m³/h
H=0 m

CHARACTERISTIC DATA AT 2900 rpm
Q= - Qmax=35 m³/h
H=
Power requested at the duty point P2=
Maximum power requested along the curve P2max=1.9999 kW
Temperature of the pumped liquid: from -15°C up to +120°C
Maximum working pressure (maximum pressure allowable considering the sum of the maximum pressur e in suction and of the head at shut off) PN10 (on request PN16)
Max ambient temperature: 40°C (over: request information).

INSTALLATION AND OPERATING FEATURES
The pumps series IR and IR4P can be positioned with horizontal axis, inclined or vertical as well but alwa ys with motor upward (ask for more information to the technical support). The catalogue and nameplate working features are meant for continuous service and for clean water (specific weight= 1000 kg/m3) wi th maximum manometric suction height of 1,5 meters of water colum. For higher manometric height an d until a maximum of 6 meters of water column, the characteristics are reduced in the flow values.

ACCESSORIES ON REQUEST
Kit counterflanges

PERFORMANCES TOLLERANCES
Pumps: UNI EN ISO 9906: 2012- Grade 3B, other levels on request