

MOTOR SPECIFICATIONS

Motor Design	NEMA design B, squirrel cage induction, oil filled (non toxic)
Motor Type	Enclosed submersible
Insulation Class	Class B, rated at 120° C
Motor Protection	Integral Bi-Metallic current sensing switch providing over temperature shut down
Service Factor	1.10
Voltage Tolerance	± 10% from nominal
Approvals	UL 778 and CSA C22.2-108

MOTOR DATA, 60Hz

Model	Phase	Output Power bhp	Volts	Full Load Amps	Locked Rotor Amps	NEMA Code Letter	Power Factor 100% Load	Motor Efficiency 100% Load	Pole/Speed (rpm)
EF 04W	1	0.4	115	9.1	40	N	0.6	49	2/3450

MATERIALS of CONSTRUCTION

Motor Housing	Cast Iron ASTM A48 Class 30
Volute	Cast Iron ASTM A48 Class 30
External Hardware	304 Stainless Steel
O-Rings	Buna-N
Motor Shaft	420 Stainless Steel
Oil	Non-toxic white mineral oil (Marcol 52)
Upper Bearing	Single row ball bearing
Lower Bearing	Single row ball bearing.
Lower Shaft Seal	Spring loaded rotating carbon face w/ stationary ceramic face.
Impeller	Polybutylene Terephthalate (PBT) 30% glass fiber, Vortex

DIMENSIONS, WEIGHT, AND MISC.

Pump weight, single phase (lb.)	32
Maximum submergence (feet)	30
Discharge size, standard	2 Inch, Vertical
Discharge thread type	Female NPT
Discharge size, optional	none
Maximum temp. of pumped fluid	40°C continuous, 50°C intermittent

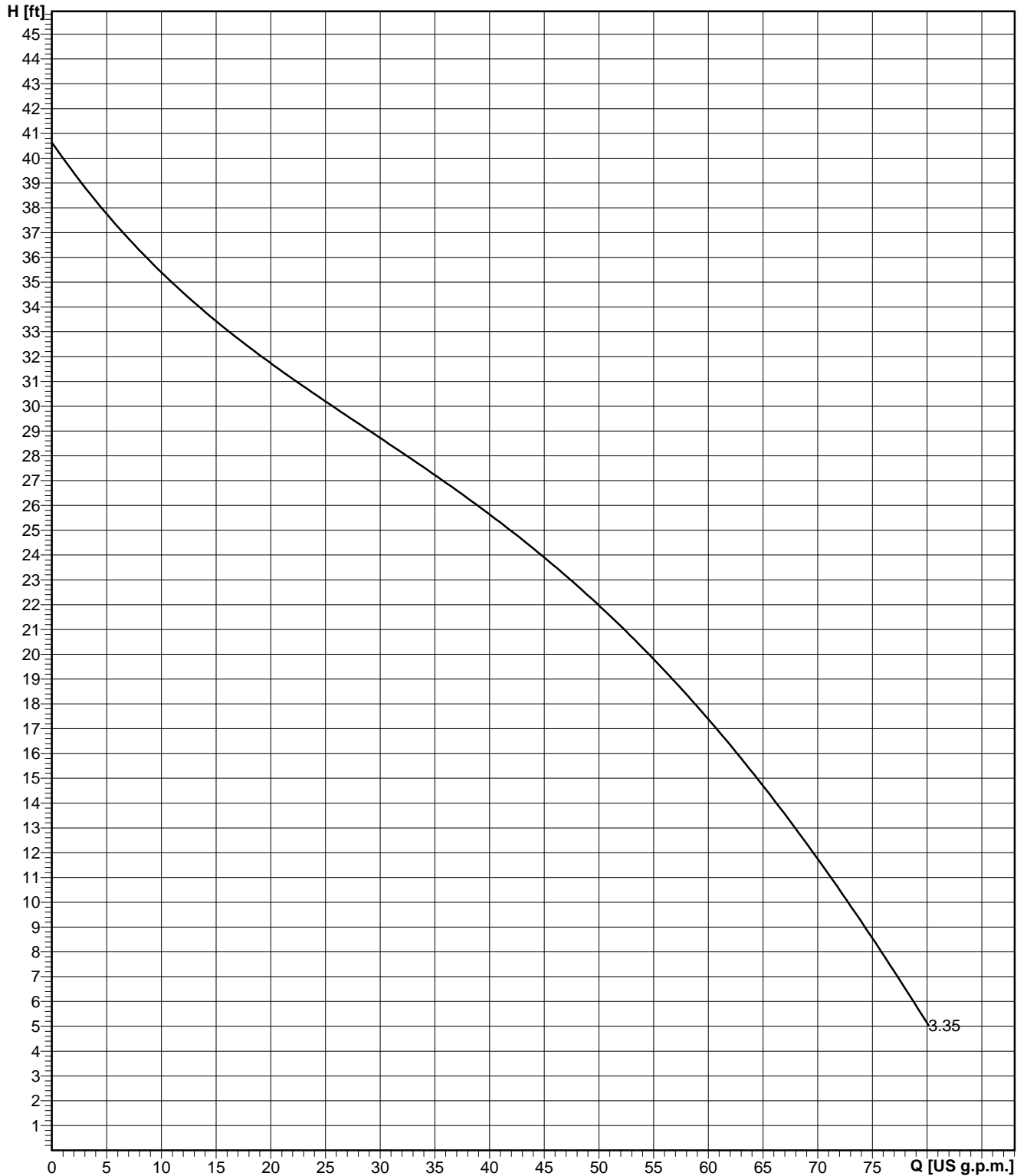
CABLE SPECIFICATIONS

MODEL	POWER CABLE Quantity, Type	LENGTH, Feet	OUTER JACKET
EF 04W	1 - 16/3 SJTOW-A or equiv. 115V w/ 3 prong plug	15	Thermoplastic elastomer

Pump performance curves
EF 04W-2 60HZ

Curve number
Reference curve
EF 04W-2

			Discharge 2"	Frequency
Density 1 kg/dm ³	Viscosity 1.562 cSt	Testnorm Hydraulic Institute	Rated speed 3480 rpm	Date 2004-06-07
Flow	Head	Rated power 4/10HP	Hydraulic efficiency	NPSH



Impeller size 3.35 inch	N° of vanes 6	Impeller Vortex impeller	Solid size 3/4"	Revision 2004-02-25
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Maßblatt EF 05W

Dimension sheet

Plan d'encombrement

No.: F40-054

2004.03.03/ROR

Cad Code:F40-054

Anderungen vorbehalten
Technical changes reserved
Con riserva di modifiche
Con reserva de modificaciones
Sous réserve de modification

Typ Type Tipo	Gewicht Weight Poids w.cable	A
EF 04W	28.6 lb	12.3 inch
	13 kg	312 mm
EF 05W	35.8 lb	13.3 inch
	16.3 kg	337 mm

60 Hz

