

Alternativefuelmecca.com PRODUCT SPECIFICATION SHEET



25GPM Gear Pump with 3 Phase Motor

sku: 25-480-15

- Industrial Continuous Duty Rated Motor
- Output: 1.5HP or 2HP
- Speed: 3450 RPM(25GPM)
- Volts: 230/480V 3 Phase
- Amps: 4.32,1.98
- Hertz: 60/50
- Shaft Size: .625
- 50LBS
- No bypass unless requested
- Use 1.25"hose++

Pump Head Specifications

- Output: 25 GPM @ 3450 RPM, 12 GPM @ 1700 RPM
- Maximum Liquid Temperature: 250° F
- Maximum Working Pressure: 43 PSI (0.3 MPa)
- Head Pressure: 47 psi
- Suction Lift: 13.1 Feet (4 Meters)
- Discharge: Vertical push 90'
- Bolt Pattern: 85 mm circle with (4) 7 mm holes
- Shaft Size: 14 mm keyed shaft
- Viton Seals
- Self Priming
- Cast Iron
- 1" NPT Threaded Ports
- 1.25" Stainless Hose Barb (fits 1.25" inner diameter hose)
- (4) M6 x 30 mm Pump Head Mounted Bolts

Sales and Service, Call 888-959-9311

<https://alternativefuelmecca.com/product/480v-oil-pump-25gpm/>

DATA SHEET

Premium Efficiency Motor: **NATE1.5-36-56CB**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	1-1/2
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	56HC
Enclosure	TEFC
Degree of Protection	IP43
Service Factor	1.15
Poles	2
Full Load Speed	3500
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	0.03%
NEMA Design	B
Moment of Inertia	0.0485 lb.ft.^2
Sound Pressure Level	73 dB(A)
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Base	C-Face Removable Base
Rotation	Bi-Directional
Standard	NEMA MG-1
Approvals	CSA, CE

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	85.2 %	84.7
75%	84.8 %	78.9
50%	81.9 %	67.6

TORQUE

FULL LOAD	LRT	BDT
2.21 lb.ft.	355 %	405 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	4.32	1.98
Locked Rotor Amps	37.98	18.99
No Load Current	1.8	0.9
Usable at 208V	4	

BEARING INFORMATION

DE Bearing	6203 2RS
ODE Bearing	6203 2RS

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Y
Approximate Weight	30.5 lbs.

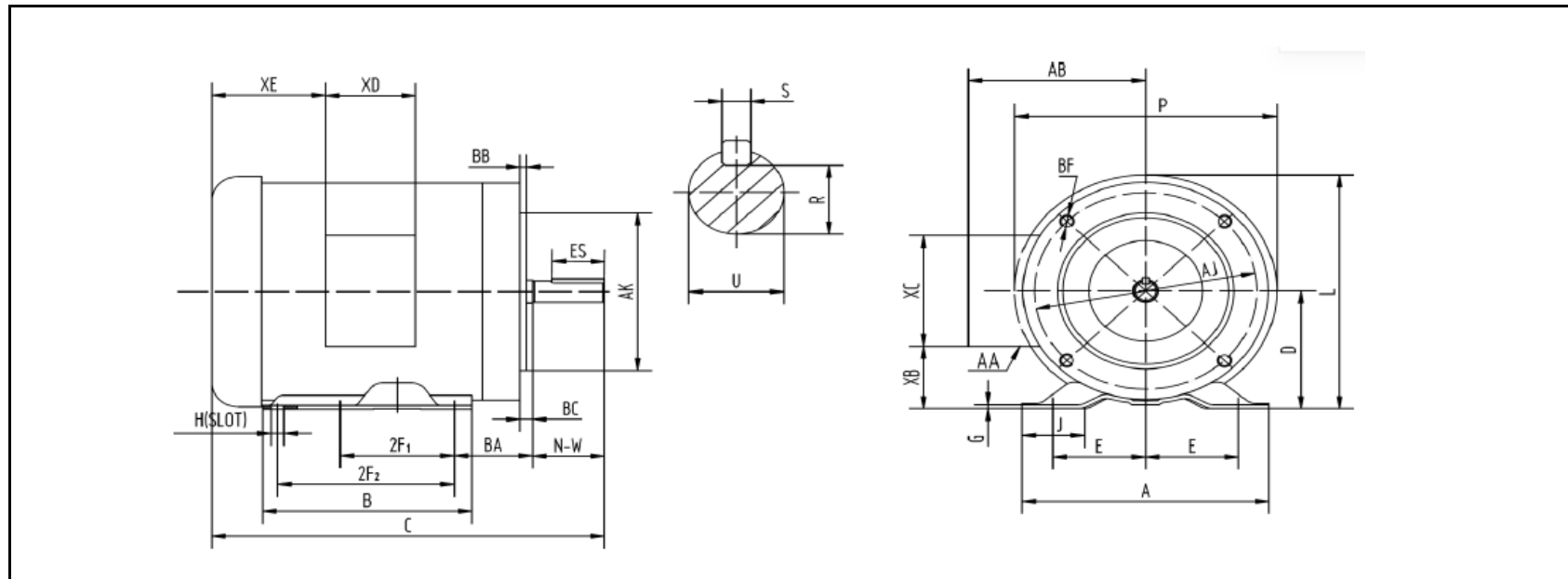
MOTOR DRAWING

Premium Efficiency Motor: **NATE1.5-36-56CB**

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	L	P	AB
E	2F1	2F2	H	BA									
2.44	3	5	0.34	2.75	6.54	6.54	11.9	3.5	0.12	1.65	7.4	7.3	5.2

SHAFT & KEY				
S	ES	R	N-W	U
0.188	1.41	0.517	1.88	0.625

TERMINAL BOX				
AA	XB	XC	XD	XE
3-0.88/2-1.109	1.65	3.7	3.2	2.15

FLANGE				
AK	AJ	BF	BB	BC
4.5	5.875	3/8-16	0.16	-0.19

PERFORMANCE CURVES

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Premium Efficiency Motor:

NATE1.5-36-56CB

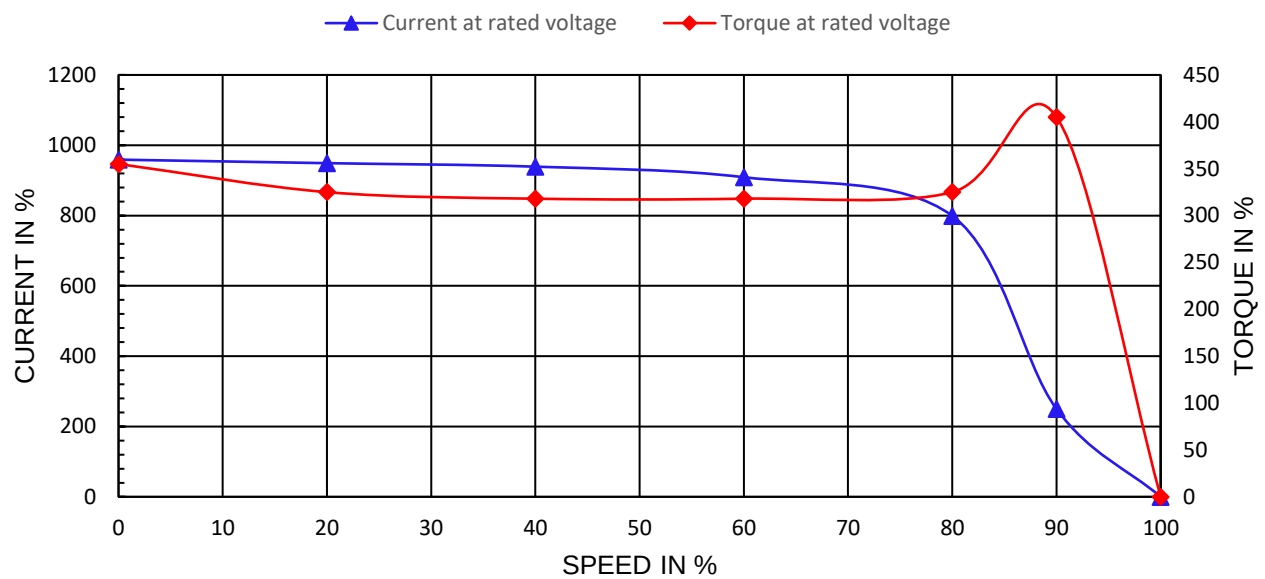
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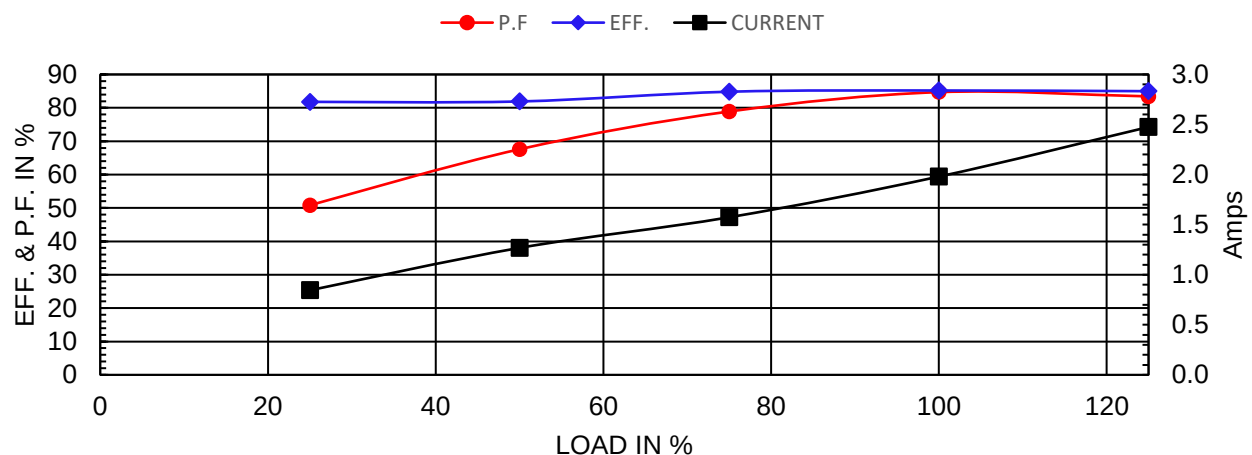
Customer:

Motor Type					
Output Rating (HP)	1-1/2	FL Speed	3500		
Full Load Torque	2.21 lb.ft	LRT (%FLT)	355	460 volt FLA	1.98
Rotor Wk^2	0.0485 lb-ft^2	BDT (%FLT)	405	230 volt FLA	4.32

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F. & CURRENT CURVE



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		THREE PHASE INDUCTION MOTOR				
MODEL		FRAME		LOW VOLTAGE		HIGH VOLTAGE
Hz		ENCL. TEFC		BLUE (T1) — LINE1		BLUE (T1) — LINE1
HP		PH 3		BROWN (T7) — LINE1		WHITE (T2) — LINE2
RPM		DUTY CONT		WHITE (T2) — LINE2		ORANGE (T3) — LINE3
VOLTS		CODE		RED (T8) — LINE2		YELLOW (T4) — INS
AMPS		INS. F		ORANGE (T3) — LINE3		BROWN (T7) — INS
S. F.		DES.		YEL/BLA (T9) — LINE3		BLACK (T5) — INS
NOM. EFF (60Hz)		DE/ODE BRG.		YELLOW (T4) — INS		RED (T8) — INS
MAX. AMB. 40°C		Date Code XX/XXXXX		BLACK (T5) — INS		GRAY (T6) — INS
SERIAL NO. XXXXXXXXXX		WorldWide Electric Corporation		GRAY (T6) — INS		YEL/BLA (T9) — INS
ACCEPTABLE FOR FIELD WIRING THERMALLY PROTECTED : NONE						

Model	NATE1.5-36-56CB	Frame	56HC
Hz	60 Hz 50Hz	Encl	TEFC
HP	1-1/2 1	PH	3
RPM	3500 2915	DUTY	CONT
Voltage	230/460 190/380	Code	H
Amps	4.32/1.98 3.42/1.71	Ins Cl	F
IP	IP43	Design	B
S.F.	1.15 1.15	LB/WT	30.5 lbs.
Nom.Eff.	85.2%	DE Brng	6203 2RS
		ODE Brng	6203 2RS