



OMEC NORTH AMERICA INC

UL LISTED FIREPUMP MOTORS - MULTI VOLTAGE : MULTI FREQUENCY

PRODUCT FEATURES

Model Number	ODP 284TS-2 30HP		
Standard	NEMA MG-1	Output	30HP / 22KW
Hazardous Classification	None (Safe Area)	No of Poles	2P
Efficiency Class	NEMA HIGH (IE2) EPACT	Frame Size	284TS
Number of Phases	3 Phase- Induction	Type	HORIZONTAL
Material of Construction	Cast Iron	Enclosure Type / Cooling	ODP / IC01
Insulation Class	Class F	Degree of Protection	IP23
Temperature Rise Class	80K (B class)	Duty Cycle	S1- Continuous Duty
Ambient Temperature	-15°C ~ 55°C	Service Factor	SF 1.15
Starting Method	DOL / Y-D Start	Operating Altitude	1000 masl & <95% RH

TECHNICAL DETAILS

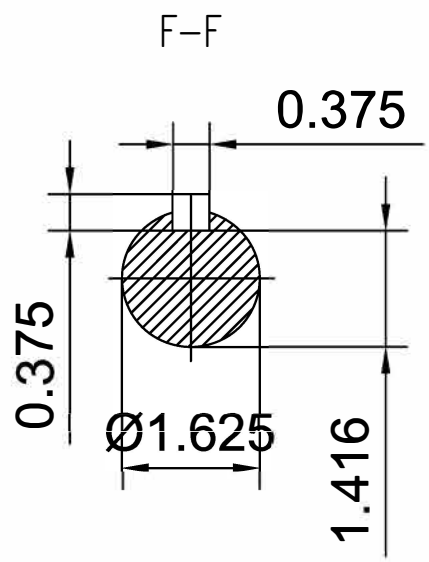
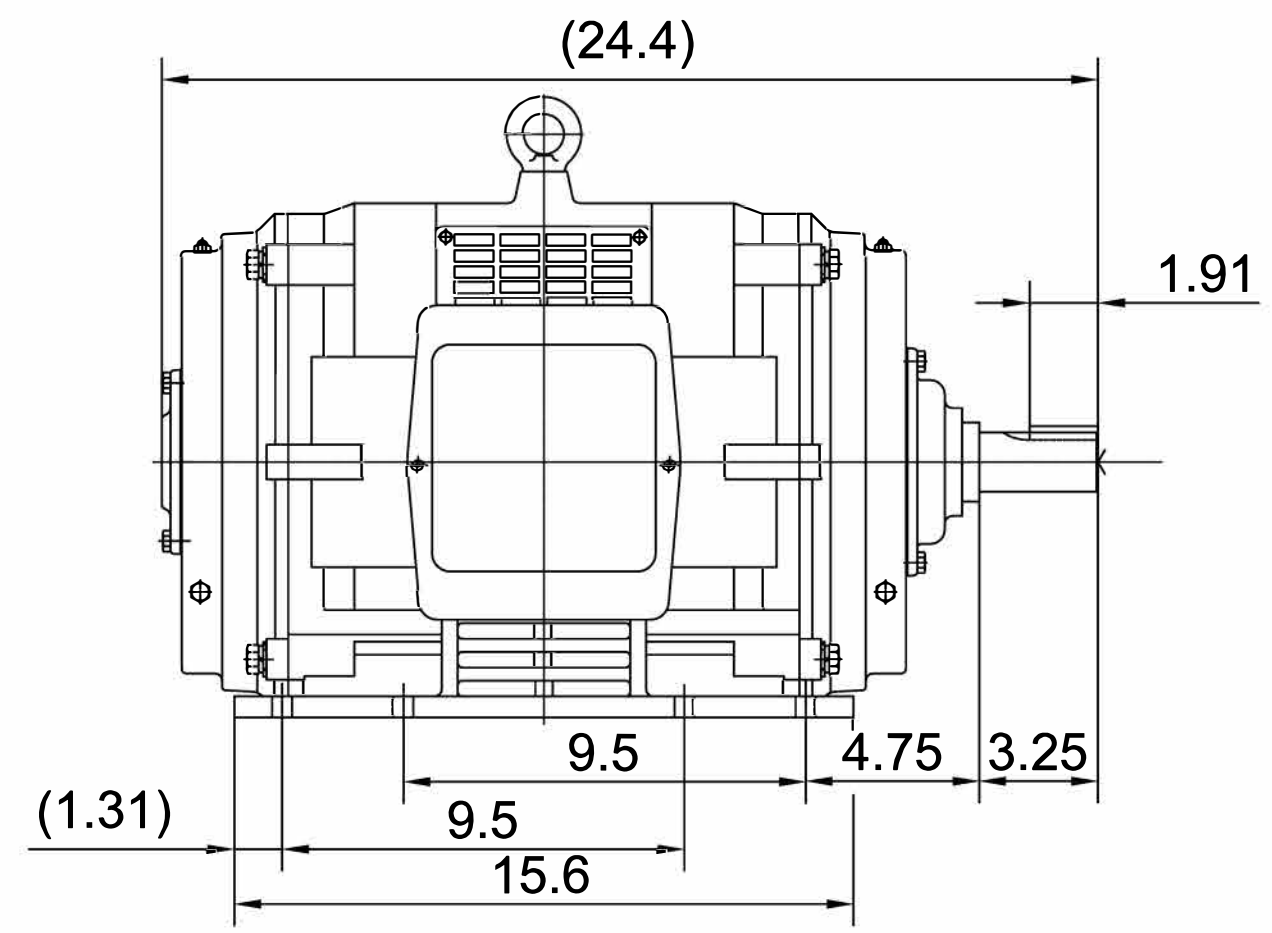
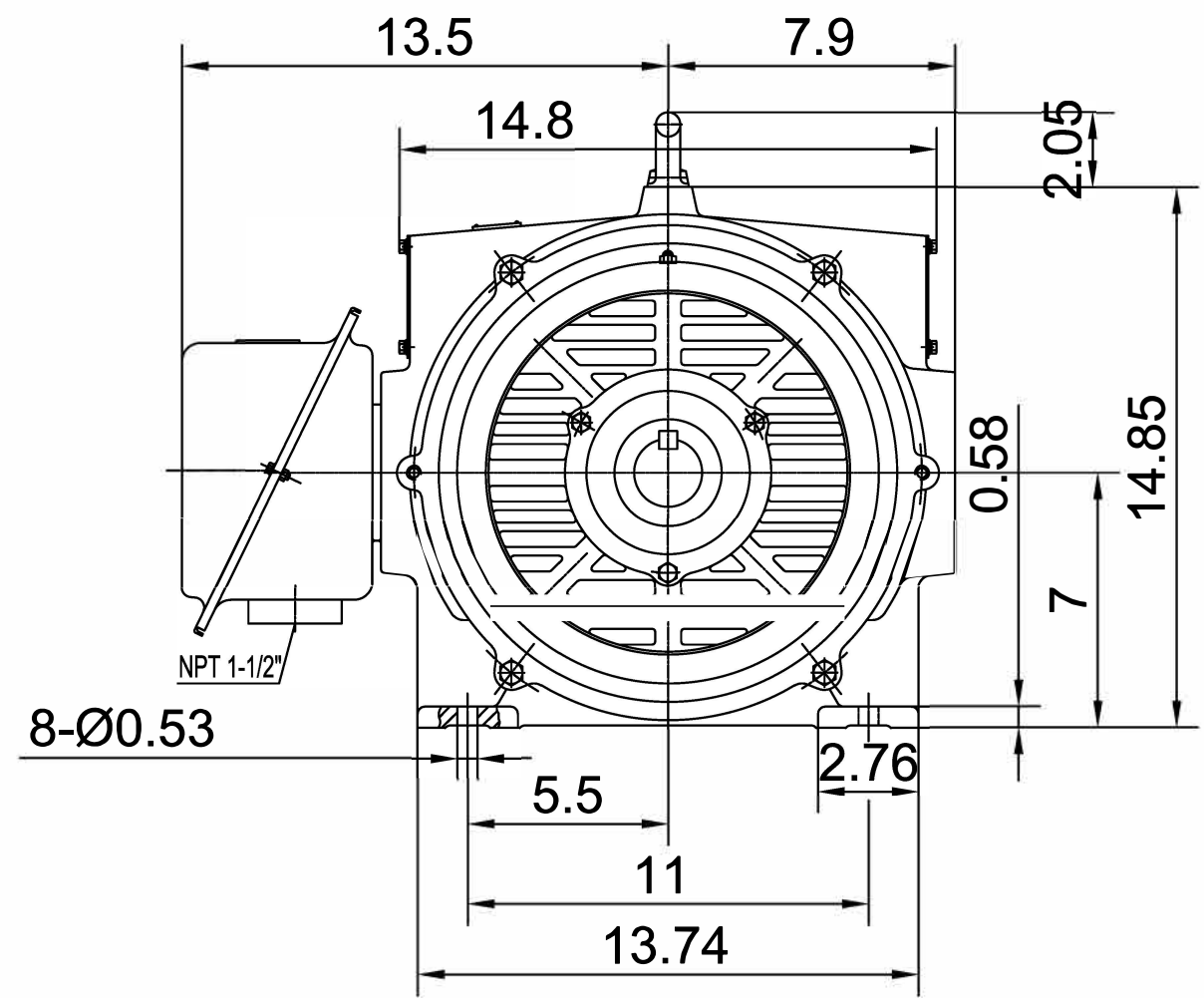
Winding Connection	Δ (Delta)						
KVA Code	CODE G						
Nema Design	DES B						
Frequency	50Hz			60Hz			
Rated Speed	2945 Rpm			3560 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	42.50 A	40.80 A	39.80 A	42.00 A	39.90 A	36.70 A	35.10 A
Locked Rotor Current [IL / IN]	6.0	6.5	7.0	5.0	5.5	6.6	7.0
I max [Less than or Equal]	255.00 A	265.20 A	278.60 A	210.00 A	219.45 A	242.22 A	245.70 A
Starting Torque [Tst]	130%	130%	130%	130%	130%	130%	130%
Breakdown Torque [Tmax]	200%	200%	200%	200%	200%	200%	200%
Efficiency	100% load	91.0%	91.0%	91.0%	91.0%	91.0%	91.0%
Power Factor (cos φ)	100% load	0.87	0.87	0.87	0.89	0.89	0.89

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing /Ball Bearing		
Bearing Lubrication Type	DE:	Grease	NDE: Grease
Bearing Series Type	DE:	6211C3	NDE: 6211C3
Terminal Box Position	Side	Direction of Rotation	CW from DE
Final Colour	RAL 3002- RED	Paint Specification	2 Pack Epoxy
Bracket Material	Cast Iron	Mounting Option	F1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A
B
C
D
E
F
G
H



A.J.B.	15.Jan.2025	-----	00
Drawn By	Date	Approved By	Rev.

NEMA ODP MOTORS

OMEC NORTH AMERICA INC.

DRAWING TITLE:				DESCRIPTION:	
OUTLINE DRAWING				Motor Frame: 284TS-2	
Sheet No.	Dim.	Size	Scale		
1 OF 1	mm	A3	1:5.5		

A
B
C
D
E
F
G
H