



OMEC NORTH AMERICA INC

UL LISTED FIREPUMP MOTORS - MULTI VOLTAGE : MULTI FREQUENCY

PRODUCT FEATURES

Model Number	ODP 286TS or T-4 30HP		
Standard	NEMA MG-1	Output	30HP / 22KW
Hazardous Classification	None (Safe Area)	No of Poles	4P
Efficiency Class	NEMA HIGH (IE2) EPACT	Frame Size	286TS or T
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	1470 Rpm			1775 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	45.40 A	43.70 A	42.70 A	45.40 A	43.20 A	40.20 A	38.50 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]	272.40 A	284.05 A	298.90 A	227.00 A	237.60 A	265.32 A	269.50 A
Starting Torque [Tst]	150%	150%	150%	150%	150%	150%	150%
Breakdown Torque [Tmax]	200%	200%	200%	200%	200%	200%	200%
Efficiency	100% load	92.4%	92.4%	92.4%	92.4%	92.4%	92.4%
Power Factor (cos φ)	100% load	0.80	0.80	0.80	0.81	0.81	0.81

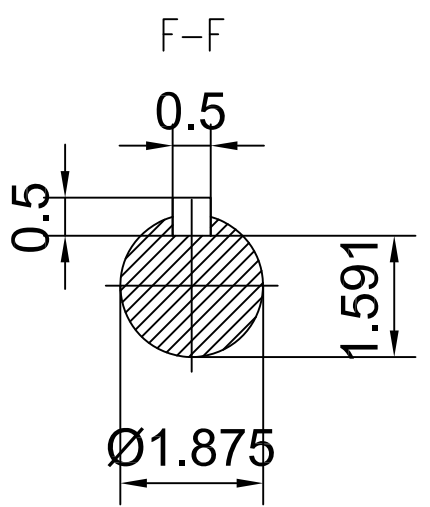
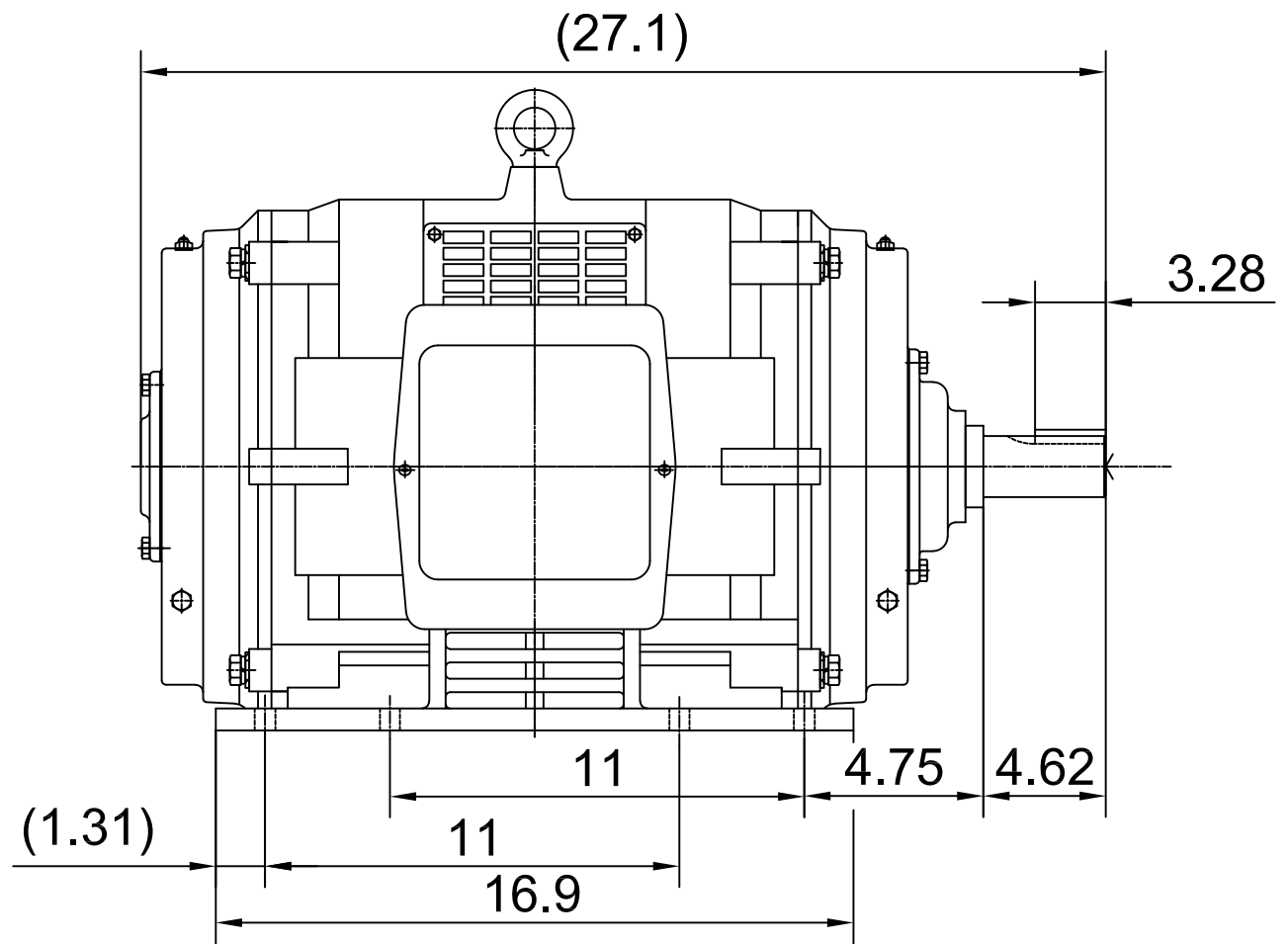
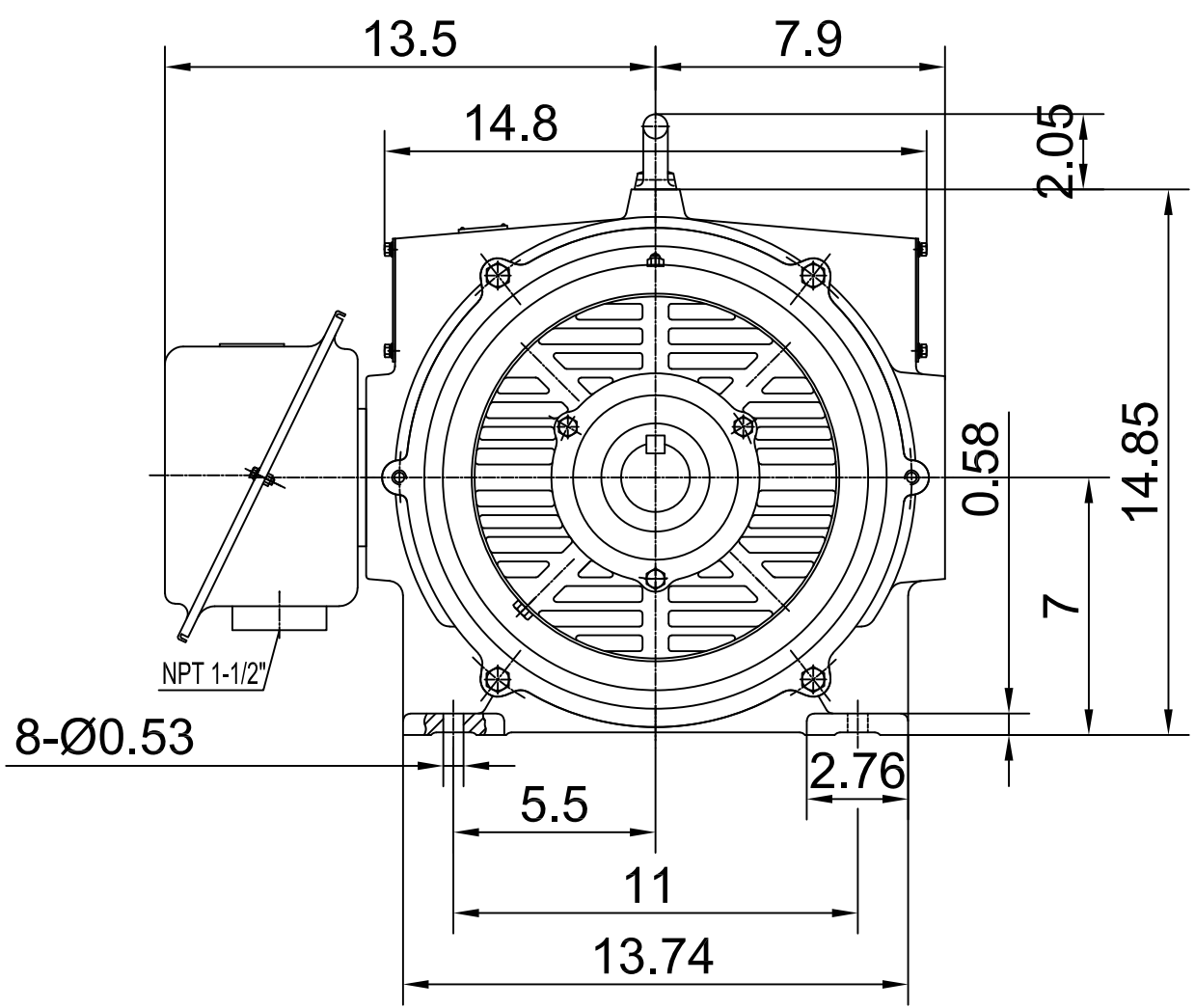
OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing /Ball Bearing		
Bearing Lubrication Type	DE:	Grease	NDE: Grease
Bearing Series Type	DE:	6311C3	NDE: 6210C3
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

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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: 286T-4-6	
Sheet No.	Dim.	Size	Scale		
1 OF 1	mm	A3	1:5.5		

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