



OMEC NORTH AMERICA INC

UL LISTED FIREPUMP MOTORS - MULTI VOLTAGE : MULTI FREQUENCY

PRODUCT FEATURES

Model Number	ODP 449TS or T-4 300HP		
Standard	NEMA MG-1	Output	300HP / 220KW
Hazardous Classification	None (Safe Area)	No of Poles	4P
Efficiency Class	NEMA HIGH (IE2) EPACT	Frame Size	449TS 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

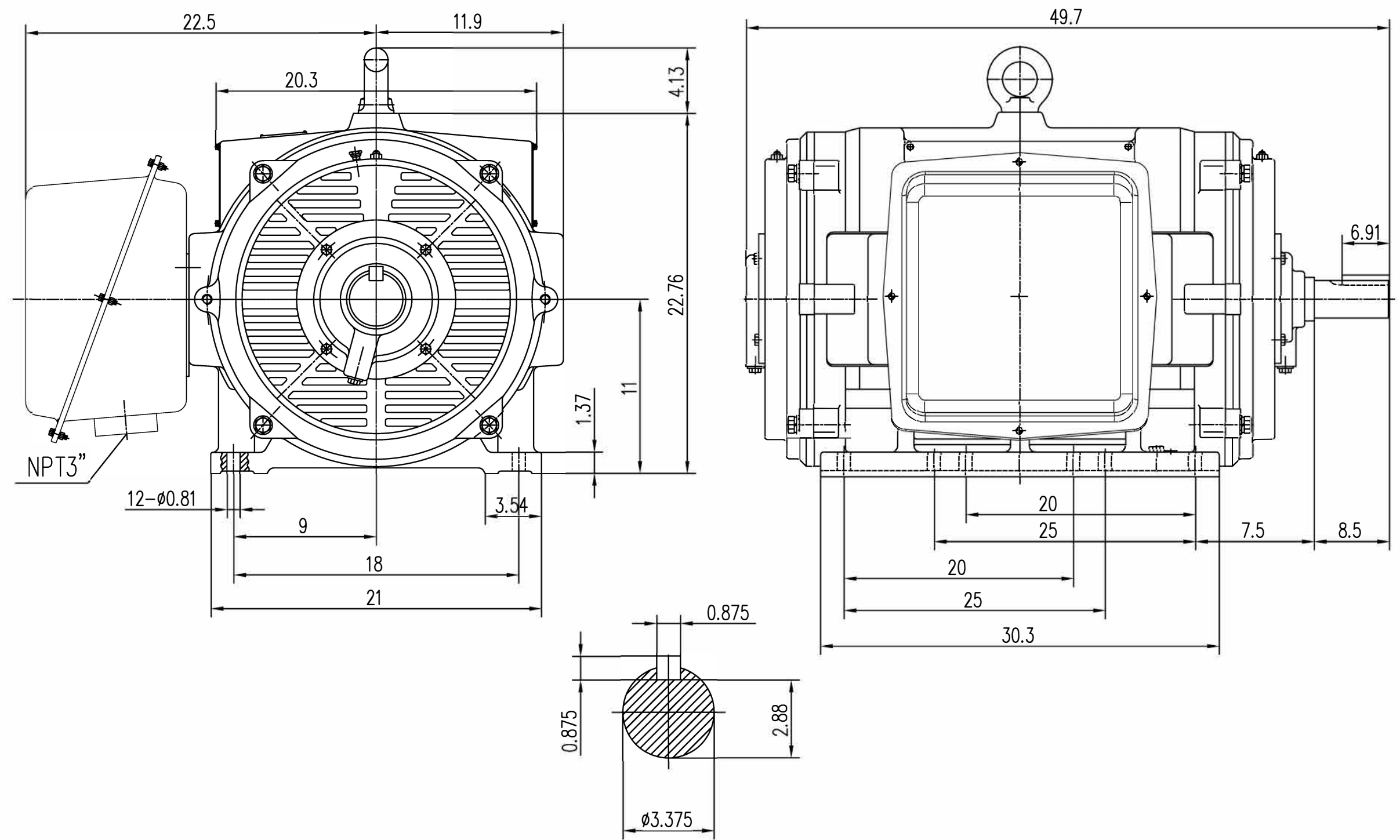
Winding Connection	Δ (Delta)						
KVA Code	CODE G						
Nema Design	DES B						
Frequency	50Hz			60Hz			
Rated Speed	1485 Rpm			1785 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	405.00 A	389.00 A	380.00 A	405.00 A	385.00 A	358.00 A	342.00 A
Locked Rotor Current [IL / IN]	7.0	7.5	8.0	6.0	6.6	7.6	8.0
I max [Less than or Equal]	2835.00 A	2917.50 A	3040.00 A	2430.00 A	2541.00 A	2720.80 A	2736.00 A
Starting Torque [Tst]	120%	120%	120%	120%	120%	120%	120%
Breakdown Torque [Tmax]	200%	200%	200%	200%	200%	200%	200%
Efficiency	100% load	95.4%	95.4%	95.4%	95.4%	95.4%	95.4%
Power Factor (cos φ)	100% load	0.87	0.87	0.87	0.88	0.88	0.88

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing /Ball Bearing		
Bearing Lubrication Type	DE:	Grease	NDE: Grease
Bearing Series Type	DE:	6319C3	NDE: 6317C3
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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NEMA ODP MOTORS				Drawing Title:				Description:			
				Outline Drawing				Motor Frame: 449T-300/4 350/4			
				Sheet No.	Dim.	Size	Scale				
A.J.B.	15.Jan.2025	-----	00	1 OF 1	cm	A3	1:5				
Drawn By	Date	Approved By	Rev.	OMEC NORTH AMERICA INC.							

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