



OMEC NORTH AMERICA INC

UL LISTED FIREPUMP MOTORS - MULTI VOLTAGE : MULTI FREQUENCY

PRODUCT FEATURES

Model Number	ODP 405TS-2 150HP		
Standard	NEMA MG-1	Output	150HP / 110KW
Hazardous Classification	None (Safe Area)	No of Poles	2P
Efficiency Class	NEMA HIGH (IE2) EPACT	Frame Size	405TS
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	2970 Rpm			3565 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	202.00 A	194.00 A	189.00 A	202.00 A	192.00 A	176.00 A	169.00 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]	1414.00 A	1455.00 A	1512.00 A	1212.00 A	1267.20 A	1337.60 A	1352.00 A
Starting Torque [Tst]	120%	120%	120%	120%	120%	120%	120%
Breakdown Torque [Tmax]	200%	200%	200%	200%	200%	200%	200%
Efficiency	100% load	93.6%	93.6%	93.6%	93.6%	93.6%	93.6%
Power Factor (cos φ)	100% load	0.89	0.89	0.89	0.90	0.90	0.90

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing /Ball Bearing		
Bearing Lubrication Type	DE:	Grease	NDE: Grease
Bearing Series Type	DE:	6313C3	NDE: 6313C3
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

