# BALDOR • RELIANCE II

# **Customer information packet** CESSWDM3555T

2HP, 3450RPM, 3PH, 60HZ, 145TC, 3532M, TEFC, F1 Class - None Division - Not Applicable

# Specifications

Enclosure	TEFC
Frame	145TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.400 A @ 208.0 V
	5.000 A @ 230.0 V
	2.500 A @ 460.0 V
Design Code	В
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

#### Part detail

Р
AC
35VV818
PRD/A
35WGR129
35LYVV818
06-14-2024
CD0005
02
9#18
False
01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ко Вох
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3532M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.30 IN
Power Factor	85
Product Family	Wash Down All Stainless Steel
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
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Winding Thermal 1	None
Winding Thermal 2	None

**BALDOR • RELIANCE II** CUSTOMER INFORMATION PACKET CESSWDM3555T - 2HP, 3450RPM, 3PH, 60HZ, 145TC, 3532M, TEFC, F1

# Nameplate

CAT.NO.	CESSV	VDM35	555T							
SPEC.	35VV8	35VV818R129G1								
НР	2	2								
VOLTS	208-23	208-230/460								
AMP	5.4-5/	5.4-5/2.5								
RPM	3450	3450								
FRAME	145TC			H	ΗZ	60			РΗ	3
SER.F.	1.15	C	CODE	Ε	Ν	DES	В	CLASS		F
NEMA-NOM-EFF	86.5	86.5 <b>PF</b> 85								
RATING	40C AN	40C AMB-CONT								
cc	010A									
DE	6205			01	ÞΕ	6203				
ENCL	TEFC	SN								
	4:1CT 20:1VT									

#### **AC Induction Motor Performance Data**

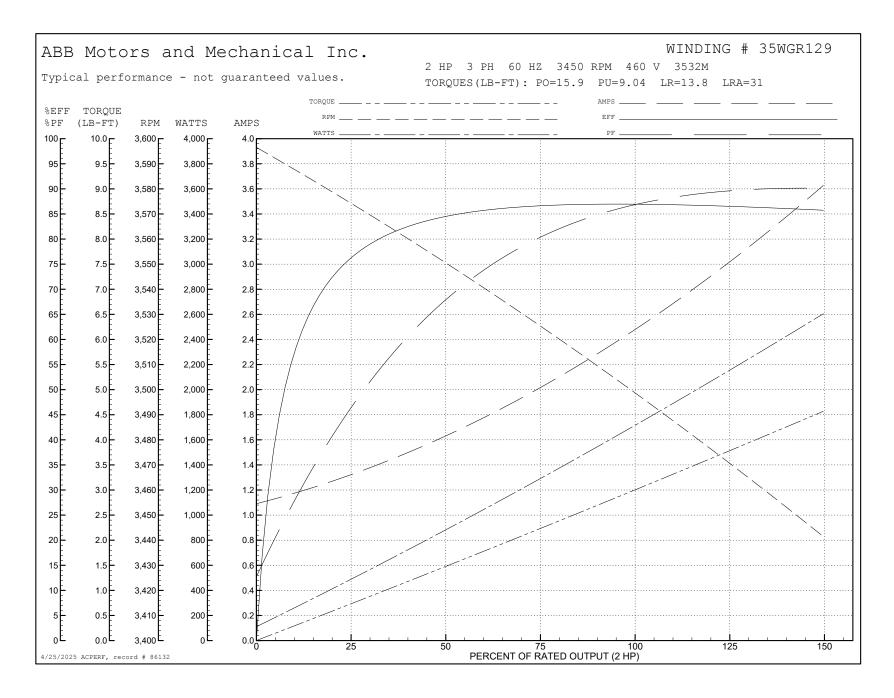
Record # 86132

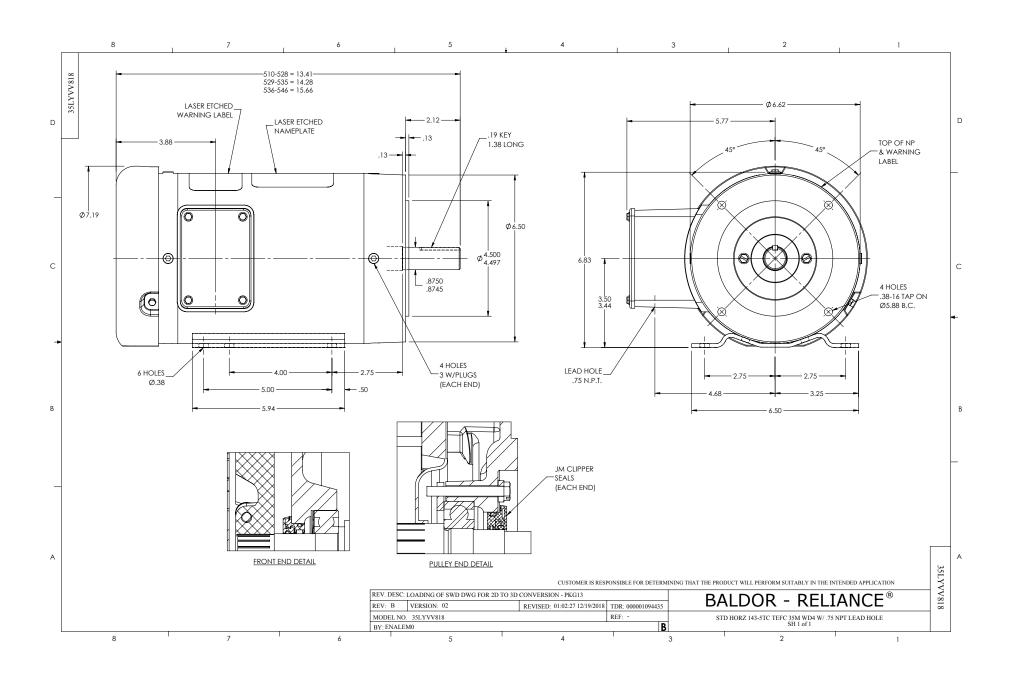
Typical performance - not guaranteed values

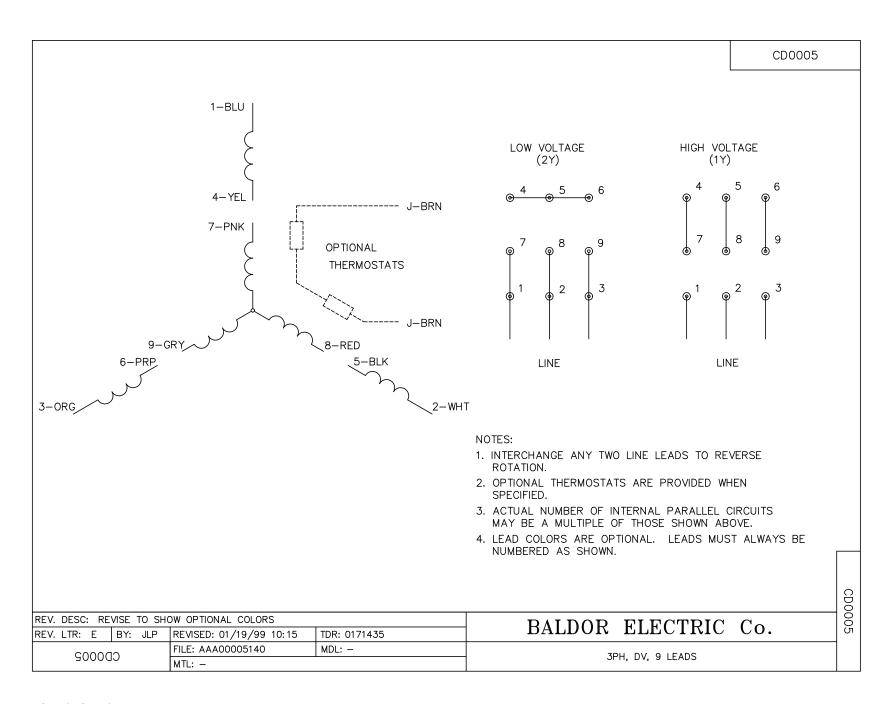
<b>Winding:</b> 35WGR129-R006 <b>Type:</b> 35		e: 3532M Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)		2	Full Load Torque	2.99 LB-FT
Volts		208-230/460	Start Configuration	direct on line
Full Load Amps		5.4-5/2.5	Breakdown Torque	15.9 LB-FT
R.P.M.		3450	Pull-up Torque	9.04 LB-FT
Hz	60 Phase	3	Locked-rotor Torque	13.8 LB-FT
NEMA Design Code	B <b>KVA Code</b>	N	Starting Current	31 A
Service Factor (S.F.)		1.15	No-load Current	1.13 A
NEMA Nom. Eff.	86.5 Power Factor	85	Line-line Res. @ 25°C	5.59 Ω
Rating - Duty	4	40C AMB-CONT	Temp. Rise @ Rated Load	51°C
S.F. Amps			Temp. Rise @ S.F. Load	59°C
			Locked-rotor Power Factor	47.5
			Rotor inertia	0.0885 lb-ft²

### Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	48	70	80	86	89	91	89
Efficiency	75.8	84.8	86.4	87	86.5	85.7	86.6
Speed	3574	3549	3525	3500	3471	3441	3471
Line amperes	1.27	1.62	2.03	2.5	3.04	3.6	3.04







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