

PRODUCT INFORMATION PACKET



Model No: 056T17DRR70021A1

Catalog No: G905A

General Purpose Motor, 0.50 & 0.33 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,
56 Frame, DP



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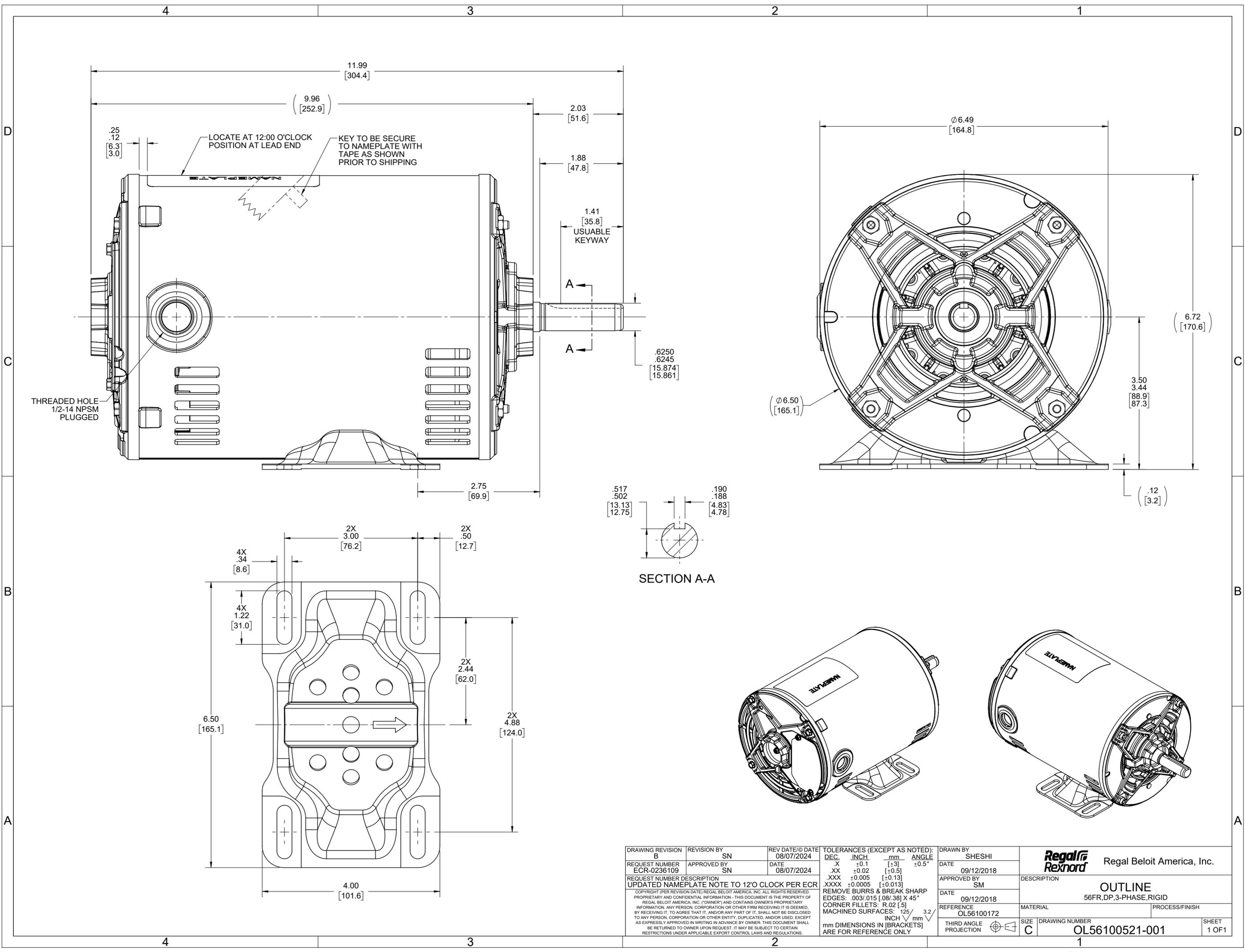


Nameplate Specifications

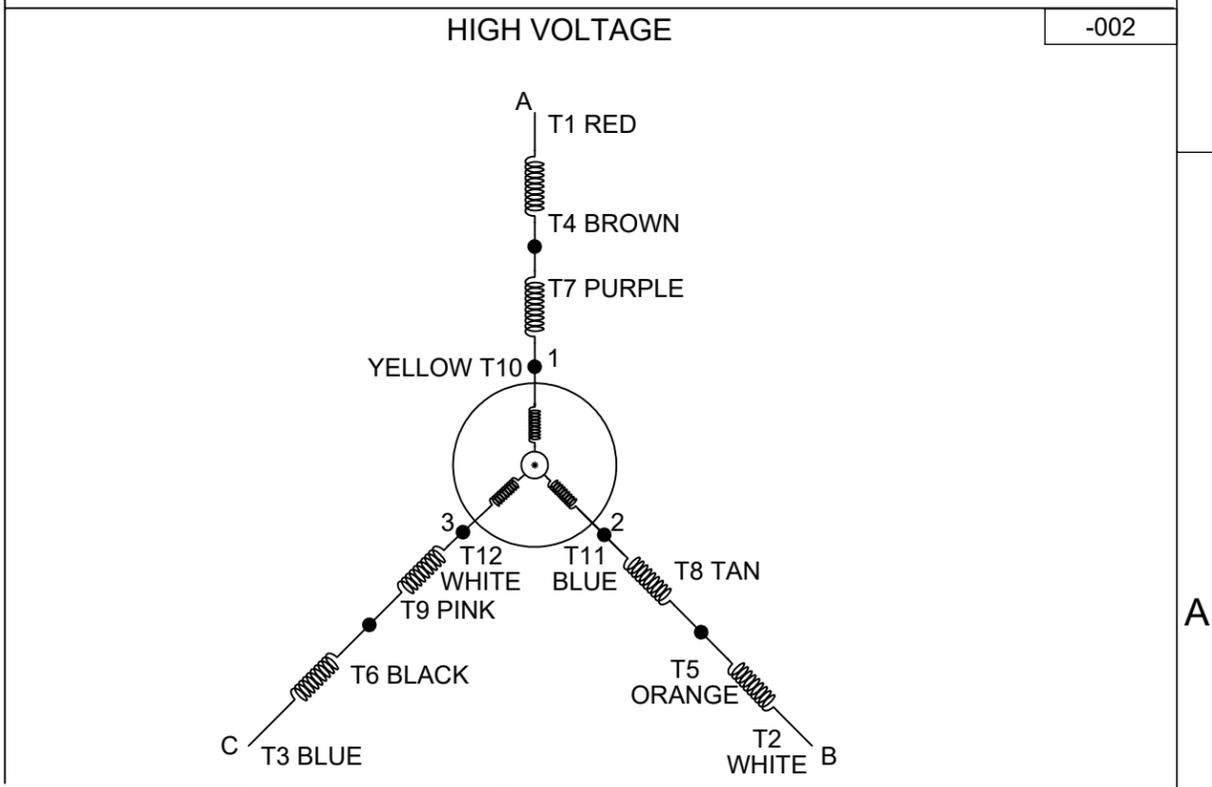
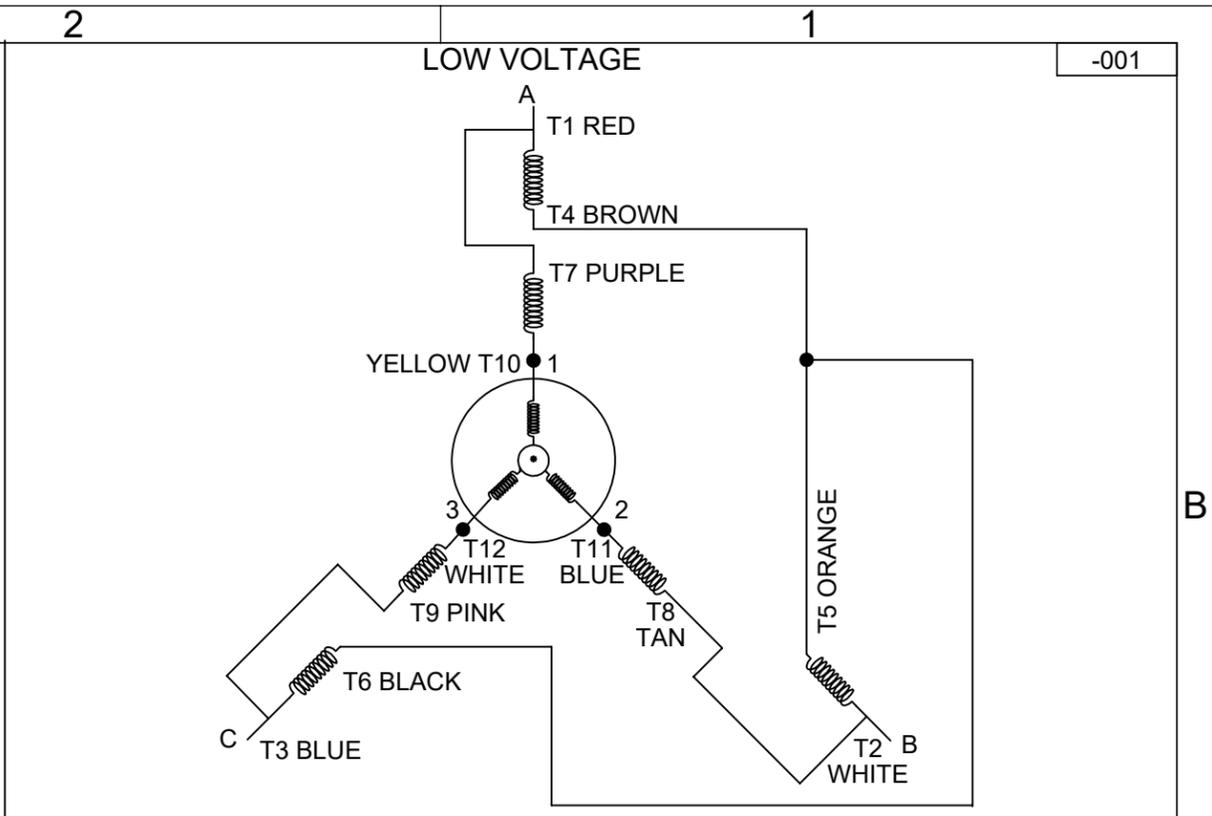
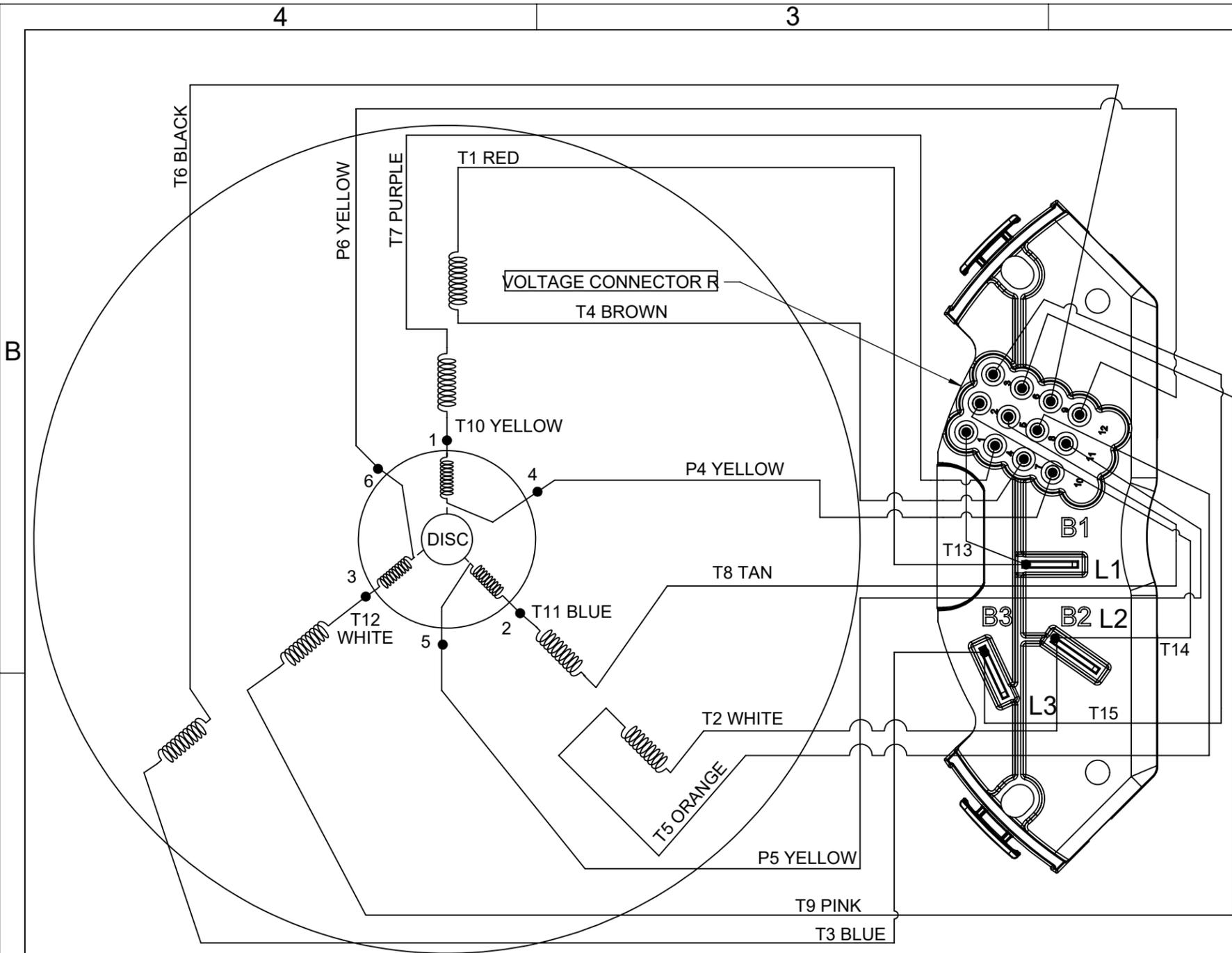
Phase	3	Output HP	0.50 & 0.33 Hp
Output KW	0.37 & 0.25 kW	Voltage	208-230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.25 & 1.25
Frame	56	Enclosure	Drip Proof
Thermal Protection	Automatic	Efficiency	78.2 & 82.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.7-1.8/0.9 & 1.6/0.8 A	Power Factor	64
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	P
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	23.2 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.99 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	CDTD102	Outline Drawing	OL56100521-001



DRAWING REVISION B	REVISION BY SN	REV DATE/© DATE 08/07/2024	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE	DRAWN BY SHESHI		Regal Rexnord Regal Beloit America, Inc.
REQUEST NUMBER ECR-0236109	APPROVED BY SN	DATE 08/07/2024	.X ±0.1 [±3] ±0.5° .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DATE 09/12/2018		
REQUEST NUMBER DESCRIPTION UPDATED NAMEPLATE NOTE TO 12'O CLOCK PER ECR			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: .125/ mm 3.2 INCH/mm	APPROVED BY SM	DESCRIPTION OUTLINE	MATERIAL 56FR, DP, 3-PHASE, RIGID PROCESS/FINISH
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- NOTES:**
1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
 2. REF. TERMINAL BOARD 10003352-001-001.
 3. CONNECTION-DIAGRAM NAMEPLATE DD10027-001-CCWLE DD10207-001-CWLE

DRAWING REVISION C	REVISION BY SY	REV DATE/© DATE 02/14/2025	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±.3] ±0.5° .XX ±0.01 [±.03] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DRAWN BY G. RODRIGUEZ	 Regal Beloit America, Inc.
REQUEST NUMBER ECR-0240677	APPROVED BY MA	DATE 02/14/2025	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/3.2 INCH/mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DATE 07-12-2016	
REQUEST NUMBER DESCRIPTION UPDATED TERMINAL BOARD TO 0003352-001-001. COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.				APPROVED BY R. VALENZUELA	DESCRIPTION TERMINAL BOARD
				DATE 07-12-2016	MATERIAL
				REFERENCE 52A110547	PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE B
					DRAWING NUMBER CDTD102
					SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 56T17DRR70021A1 A
CONN. DIAGRAM: CDTD102
OUTLINE: OL56100172-001

WINDING#: NT56468 NONE 3
ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/3	0.37&0.25	1800	1725&1425	56	DP	P	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380	1.7- 1.8/0.9&1.6/0. 8	ACROSS THE LINE	CONTINUOU S	B3	1.25/1.25	40	3300

FULL LOAD EFF: 78.2&82.5	3/4 LOAD EFF: 83.3	1/2 LOAD EFF: 78.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 64&57.3	3/4 LOAD PF: 53.8	1/2 LOAD PF: 42	72	SQ CAGE IND RUN	1.3 / .7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1.51 LB-FT	16.1 / 8.1	6.43 LB-FT 423.86	8.89 LB-FT 585.96	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.07 LB-FT^2	5 LB-FT^2	12 SEC.	2	25 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	AISI 1215 (MS1000)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/28/2017 06:56:32 AM
 FORM 3531 REV.3 02/07/99

** Subject to change without notice.

REGAL REXNORD CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer WW Grainger

Curve at 460

Volts

HP 0.5&0.33

PHASE 3

Model No 56T17DRR70021A1

60

HZ

VOLTS 208-230/460&190/380

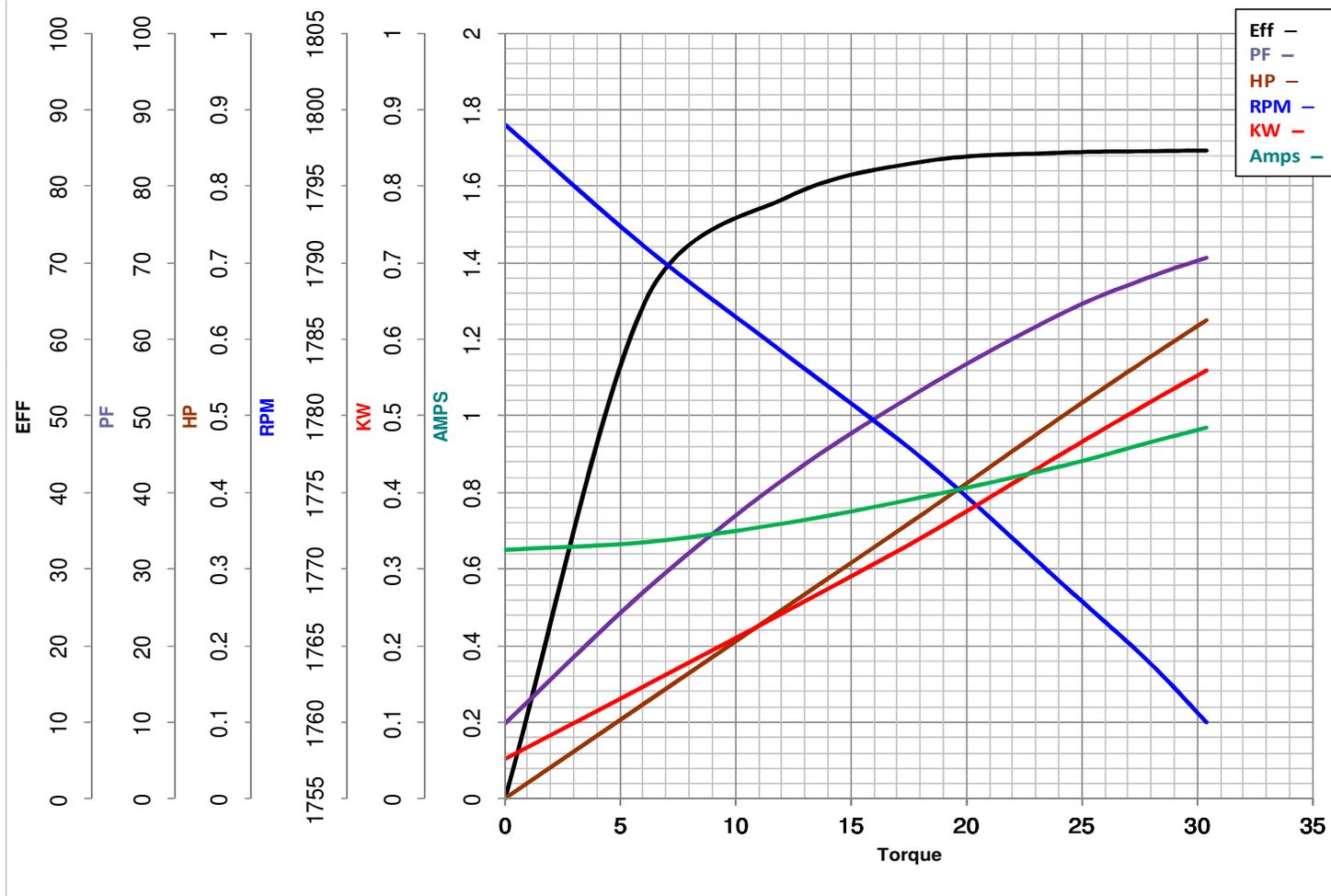
0.5

HP

Catalog No G905A

HZ 60&50

RPM 1725&1425



Torque in Oz.Ft

FL TORQUE 24.16 Oz.Ft
 BD TORQUE 142.2 Oz.Ft
 LR TORQUE 102.9 Oz.Ft

FL AMPS 1.7-1.8/0.9
 PU TORQUE 100.5 Oz.Ft
 LR AMPS 8.07

WINDING NT56468-3 Prepared By BHARGAVI

Date 8/21/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 056T17DRR70021A1

(Model No. may contain prefix and/or suffix characters)

Catalog No : G905A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25