

**Class 58**

Class 58, Furnas Brand Drum Controllers start, stop and change the speed and/or rotating direction of reversible AC and DC electric motors.

Most controllers are available in NEMA 1 or NEMA 3R enclosures.

The Compact A Series of controllers offers Reversing, Two Speed and Two Speed Reversing controls in NEMA 1 enclosures for applications where space may be restricted.

**Note:** To prevent unintentional operation, OSHA regulations and local installation codes may require guarding of handles. Consult these requirements prior to selecting a drum switch or handle.

The simple yet rugged construction of Furnas Brand drum controllers make these ideal for applications such as:

- Boat Hoists
- Doors
- Metal and Woodworking Machinery
- Conveyors

**Auxiliary Equipment**


A variety of handle styles are available as Field Modifications.

The Compact A Series offers modifications to accommodate flush and surface mounting.

**Furnas Brand Class 58 Drum Controllers Standard Features include:**

- Rated to 10 HP 600V
- Easy Terminal Access
- Heavy Duty Contacts
- Choice of Handle Kits
- Variety of Mounting Accessories
- Variety of Enclosures NEMA 1, NEMA 3R
- UL Listed E10590
- CSA Certified LR6535



 <p>Class 58 Drum Controller</p>	<p><b>Ordering Information</b></p> <ul style="list-style-type: none"> <li>Ø Dimensions see page 4</li> <li>Ø Wiring Diagram see pages 5-6</li> <li>Ø <b>Reference the Internal Connections Diagram in the Wiring Diagrams Section to insure the selected switch will work with the motor being used</b></li> <li>Ø Field Replacement Handles and Parts Kits see page 3</li> <li>Ø Application Data see page 1.</li> </ul>
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**Drum Controller, 1 Phase and 3 Phase - Class 58**

Type/Purpose	Max HP						Wiring Diagram Figure	Enclosure			
	1 Phase Volt AC			3 Phase Volts AC		Volt DC		NEMA 1 General Purpose		NEMA 3R * Watertight	
	120V	240V	480V	240V	480-600V	120-240V		Catalog Number	Price \$	Catalog Number	Price \$
Reversing/Maintaining	1½	2	-	2	1	¼	1	58R327T <sup>1</sup>	127.50	WR327A <sup>1</sup>	231.00
Reversing/Maintaining	1½	2	-	2	2	¼	2	58R44 <sup>2</sup>	127.50	WR44 <sup>1</sup>	231.00
Reversing/Maintaining	1½	2	3	3	3	1	2	J2 <sup>2</sup>	202.50	WJ2 <sup>2</sup>	318.00
Reversing/Maintaining	2	3	-	5	7½	2	2	J5 <sup>2</sup>	277.50	WJ5 <sup>2</sup>	393.00
Reversing/Maintaining	2	5	7½	7½	7½	2	2	T3F (T3) <sup>2</sup>	474.00	-	-
Reversing/Maintaining	3	7½	10	10	10	3	2	TT3 <sup>2</sup>	670.50	-	-
Reversing/Maintaining Forward/Momentary-Rev	1½	2	-	2	1	¼	1	58R327R	127.50	-	-
Reversing/Maintaining Forward/Momentary-Rev	1½	2	-	2	2	¼	2	58R44R	127.50	-	-

**Drum Controller, 1 Phase and 3 Phase, Compact A Series - Class 58**

Type/Purpose	Max HP					Wiring Diagram Figure	Enclosure			
	1 Phase Volt AC			3 Phase Volts AC	Volt DC		NEMA 1 General Purpose		NEMA 3R * Watertight	
	120V	240V	480V	240V	120-240V		Catalog Number	Price \$	Catalog Number	Price \$
Reversing	1	1	1	1	¼	3	A14	87.	-	-
Reversing Maintained	1	1	1	1	¼	3	-	-	A14D	115.50
Reversing Momentary	1	1	1	1	¼	-	-	-	A14Y	144.00
On-Off 3PST	1	1	1	1	¼	4	A15	87.	-	-
1 Phase Series Parallel	1	1	-	-	¼	7	A17	87.	-	-

**Drum Controller, Two Speed, Non-Reversing - Class 58**

Type/Purpose	Max HP			Wiring Diagram Figure	Enclosure			
	1 Winding		2 Winding		NEMA 1 General Purpose		NEMA 3R * Watertight	
	Constant or Variable Torque 240-260V	Constant HP 240-600V	240-600V		Catalog Number	Price \$	Catalog Number	Price \$
Two Speed/Non-Reversing	3	-	-	5	JV2	312.	WJV2	462.
Two Speed/Non-Reversing	5	-	-	5	JV5	36543.2.	WJV5	693.

**Drum Controller, Two Speed; Reversing - Class 58**

Type/Purpose	Max HP			Wiring Diagram Figure	Enclosure			
	1 Winding		2 Winding		NEMA 1 General Purpose		NEMA 3R * Watertight	
	Constant or Variable Torque 240-260V	Constant HP 240-600V	240-600V		Catalog Number	Price \$	Catalog Number	Price \$
Two Speed/ Reversing	-	3	-	11	JEH4	739.50	-	-
Two Speed/ Reversing	-	-	3	10	JED4	565.50	-	-
Two Speed/ Reversing	3	-	-	9	-	-	-	-

**Special Applications, 1 Phase and 3 Phase - Class 58**

Type/Purpose	Max HP			Wiring Diagram Figure	Enclosure				
	1 Winding		Volts DC		NEMA 1 General Purpose		NEMA 3R * Watertight		
	120V	240V			3 Phase Volts AC	Price \$			
Maintained with Limit Switch Selection	1	1	-	6	240V	480-600V	120V-240V	R2453	184.50
Maintained Magnetic Chuck	-	-	-	8	-	-	1500W	J2166A	277.50

<sup>1</sup> The WR327A, WR44 and 58R327T are maintained only. To order momentary controllers use catalog numbers 58R44M, WR327AR, WR44R and 58R327 respectively.

<sup>2</sup> Switch is shipped maintained customer adjustable to momentary.

Discount Schedule E84  
Prices Subject to Change Without Notice.

\* Consult Factory for NEMA 4



Controller Prefix	Description	Field Replacement Catalog Number <sup>1 2</sup>	Price \$
A	Radial	75D55711001	36.00
	Safety	75D10018001	24.00
FR	Crank	75D06478001	24.00
	Streamline	75D2417006	36.00
R	Radial	75D55711001	36.00
	Radial	75D32963009	36.00
	Crank	75D06398001	36.00
	Streamline	75D02417006	36.00
	Shipper	75D11177001	36.00
	Rope Lever	75D10662002	48.00
	Radial	75D55711001	36.00
J	Crank	75D10876003	36.00
	Handwheel	75D09613001	48.00
	Shipper	75D09222001	36.00
	Rope Lever	75D09226001	54.00
	Angle-Red	75D50620002	36.00
T	Crank	75D06419006	87.00
	Shipper	75D06419003	87.00
WJ	Radial	75D32963025	36.00
WR	Radial	75D32963007	36.00
58R	Angle-Chrome	75D56597001	54.00
	Angle-Black	75D56597002	54.00
	Radial	75D55711001	36.00
	Radial	75D32963009	36.00
	Crank	75D06398003	36.00
	Streamline	75D02417006	36.00
	Shipper	75D11177001	36.00
Rope Lever	75D10662002	48.00	



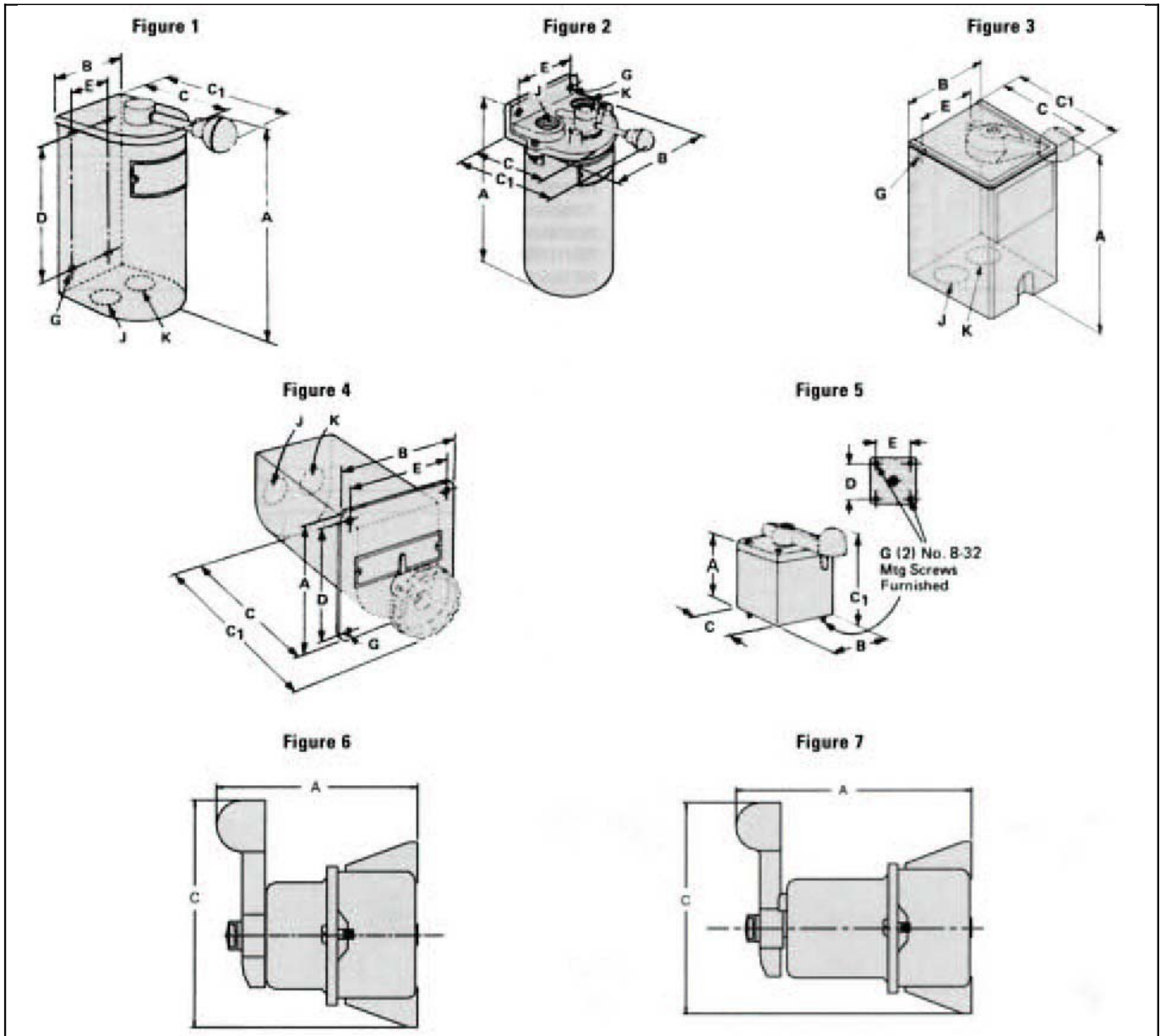
Parts Kits Include Contact Fingers and Index Parts		
Drum Controller Number	Catalog Number	Price \$
WR44, WR44R	PK4	60.00
J1944, J2, JP2, JT2513, WJ2, WJP2, WJT2	PK20	60.00
EJ5, J1999, J5, JP5, JT2513, JT5, WJ1999, WJ5, WJT5, WJP5	PK21	66.00
JH2, JV2, WJH2, WJV2	PK22	84.00
T3	PK40	111.00
TT3	PK41	189.00

<sup>1</sup> For exact replacement ONLY (not all handles are interchangeable)

<sup>2</sup> Handles available as field kits only.

Discount Schedule E89  
Prices Subject to Change Without Notice

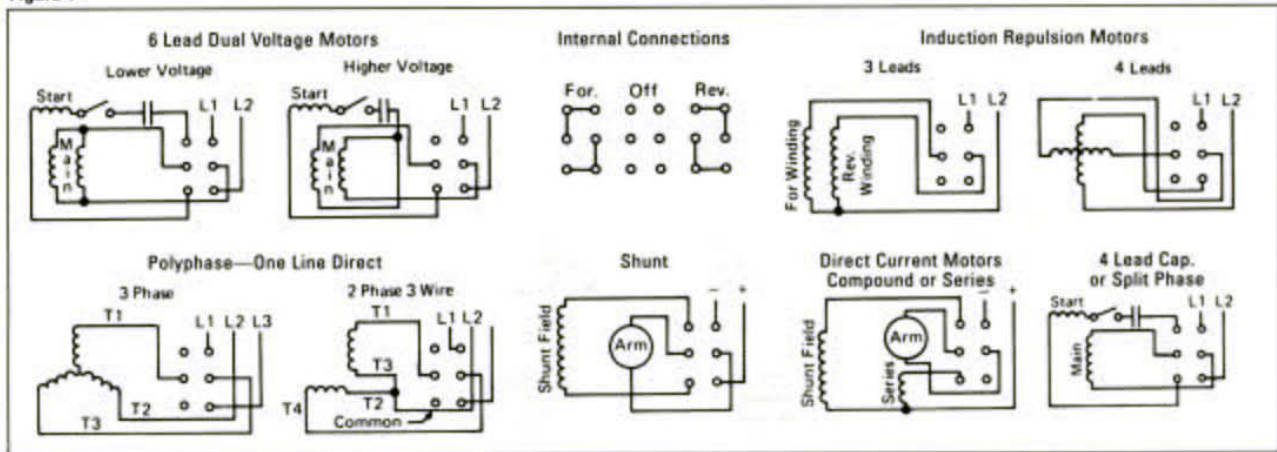




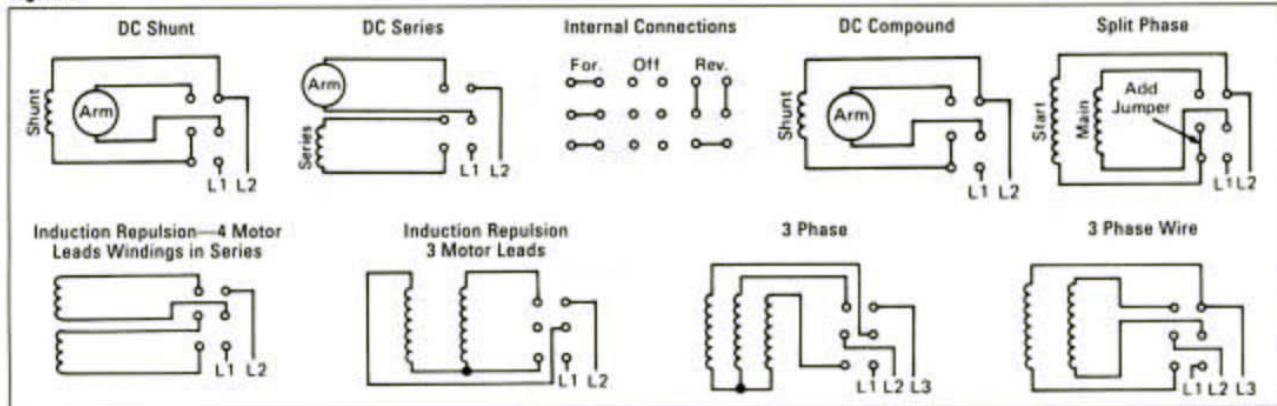
Catalog Number	Figure	Outline Dimensions				Mtg. Dimensions		Mtg. Screw	Conduit Size		Approx. Ship Wt Lbs. (Kg)
		A	B	C	C1	D	E	G	J	K	
A14, A15, A17	5	2.20 (56)	2.38 (60)	2.38 (60)	3.20 (81)	1 <sup>11</sup> / <sub>16</sub> (43)	1 <sup>11</sup> / <sub>16</sub> (43)	8	-	-	2 (1)
A14D	6	3.89 (99)	-	4.40 (112)	-	-	-	-	-	-	2 (1)
A14Y	7	4.93 (125)	-	4.40 (112)	-	-	-	-	-	-	2 (1)
58R44, 58R327	3	5.25 (133)	2.50 (64)	2.75 (70)	4.38 (111)	-	1 <sup>5</sup> / <sub>8</sub> (41)	1/4	1/2	1/2	2 (1)
JED4	1	10.50 (267)	3.19 (81)	3.63 (92)	4.69 (119)	7 <sup>13</sup> / <sub>16</sub> (198)	2 (51)	1/4	3/4	1/2	6 (3)
JEH4	1	12.31 (313)	3.19 (81)	3.63 (92)	4.69 (119)	9 <sup>9</sup> / <sub>16</sub> (244)	2 (51)	1/4	3/4	1/2	7 (3)
J2, J5, J2166A	1	4.75 (121)	3.19 (81)	3.63 (92)	4.69 (119)	3 <sup>13</sup> / <sub>16</sub> (97)	2 (51)	1/4	1/2	1/2	3 (1)
JV2, JV5	1	7.94 (202)	3.19 (81)	3.19 (81)	4.69 (119)	5 <sup>15</sup> / <sub>16</sub> (151)	2 (51)	1/4	3/4	1/2	4 (2)
R2453	1	4.38 (111)	2.31 (59)	2.94 (75)	4.56 (116)	-	1 <sup>5</sup> / <sub>8</sub> (41)	1/4	1/2	1/2	2 (1)
TT3	1	9.53 (242)	4.81 (122)	5.53 (141)	6.47 (164)	5 <sup>5</sup> / <sub>8</sub> (143)	3 <sup>3</sup> / <sub>4</sub> (95)	1/4	1 1/4	1	8 (4)
T3	1	7.56 (218)	4.81 (122)	5.53 (141)	6.47 (164)	5 <sup>5</sup> / <sub>8</sub> (137)	3 <sup>3</sup> / <sub>4</sub> (95)	1/4	1	1	7 (3)
WJ2, WJ5	2	7.63 (194)	5.13 (130)	4.25 (108)	6.13 (156)	-	3 <sup>7</sup> / <sub>16</sub> (87)	3/8	3/4	3/4	7 (3)
WJ2V, 2J5V	2	9.00 (229)	5.13 (130)	4.25 (108)	6.13 (156)	-	3 <sup>7</sup> / <sub>16</sub> (87)	5/16	3/4	3/4	7 (3)
2R44, WR44R WR327A, WR327AR	2	5.19 (132)	4.63 (117)	3.75 (95)	5.44 (138)	-	3 1/2 (89)	1/4	1/2	1/2	5 (2)

Note: Dimensions for reference, not for construction.  
Dimensions are in inches (mm).

**Figure 1**



**Figure 2**



**Figure 3**

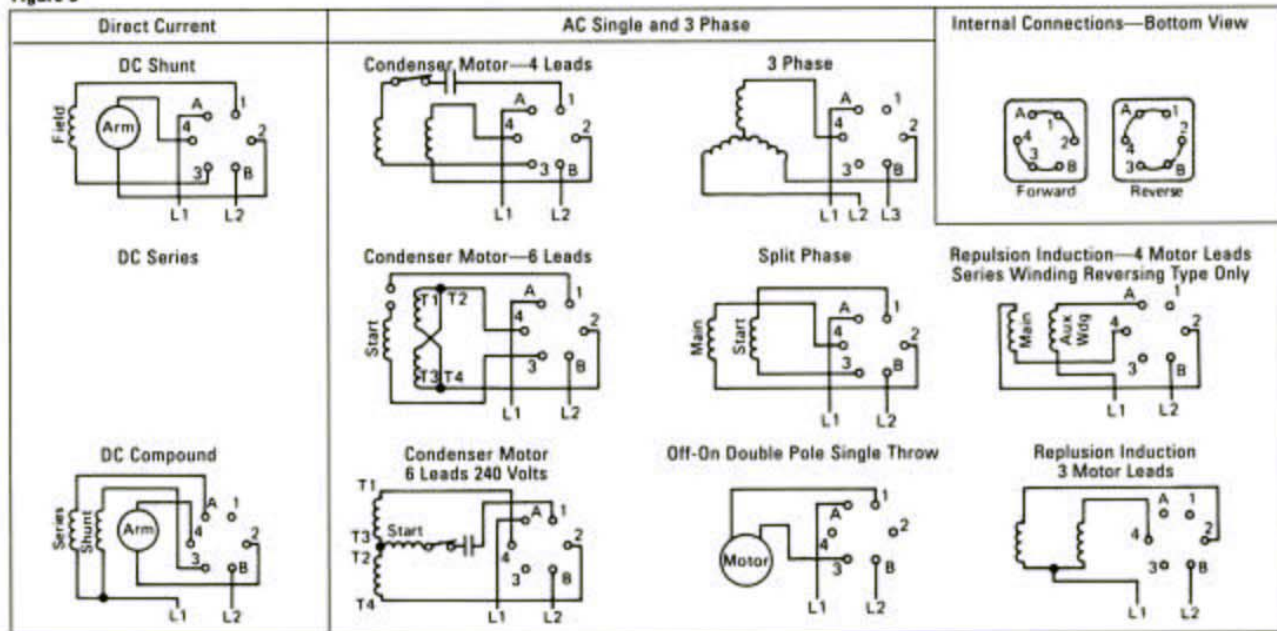


Figure 4

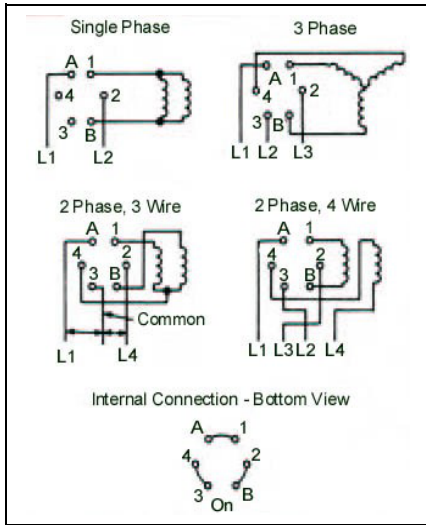


Figure 5

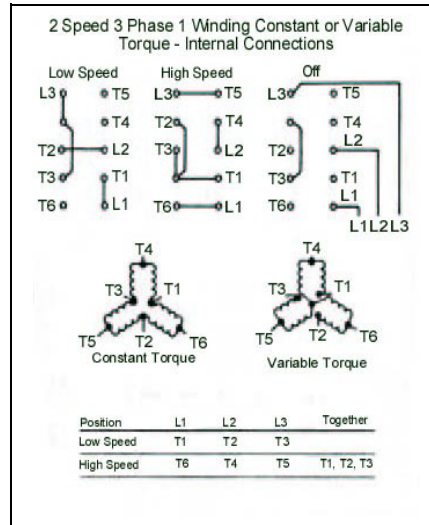


Figure 6

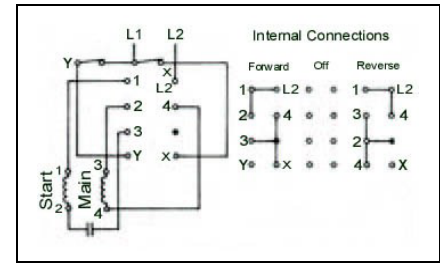


Figure 7

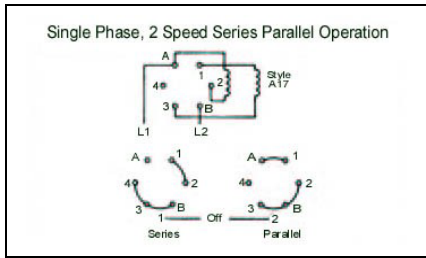


Figure 8

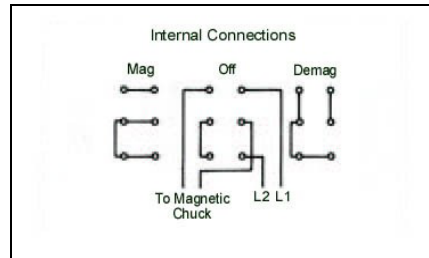


Figure 9 JET4

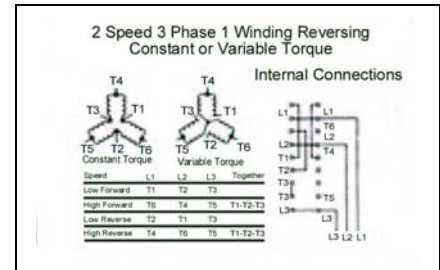


Figure 10 JED4

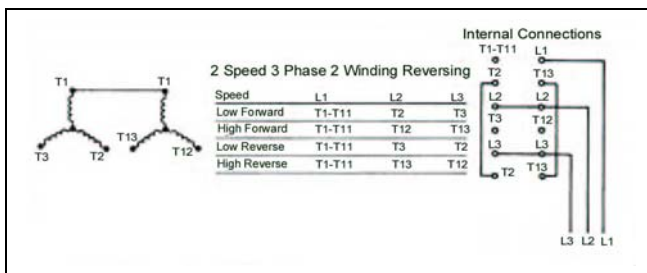


Figure 11 JEH4

