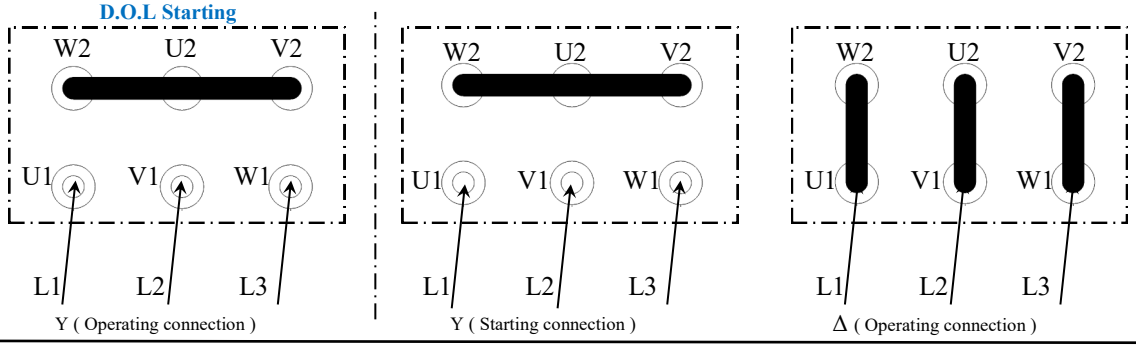
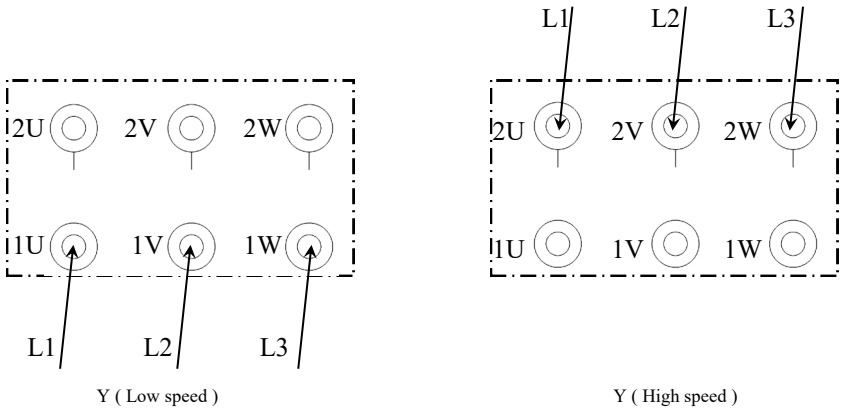
Connection Diagram acc. NEN-EN-IEC60034-8

SINGLE-SPEED MOTORS

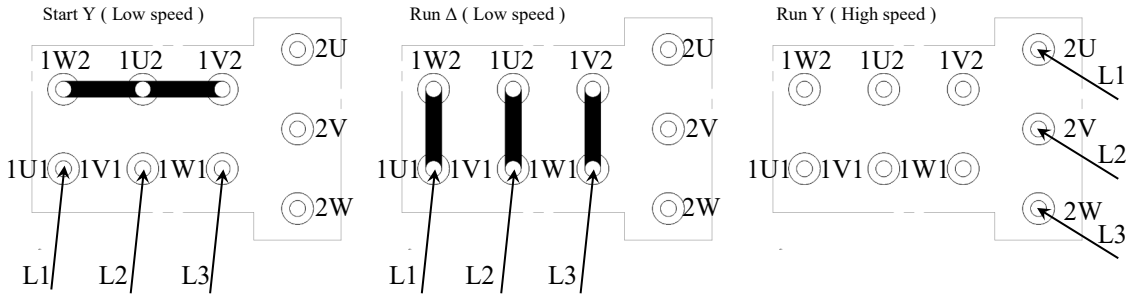
D.O.L Starting



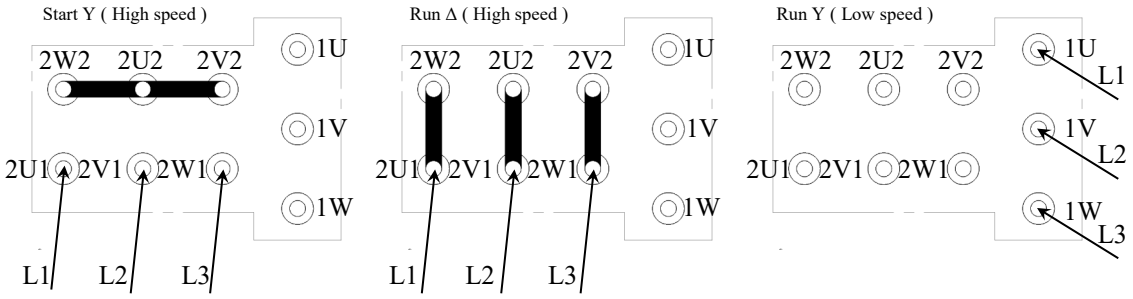
POLE-CHANGING WINDING (SEPERATE WINDINGS)



POLE-CHANGING WINDING (SEPERATE WINDINGS)
D.O.L HIGH Y D.O.L LOW Δ

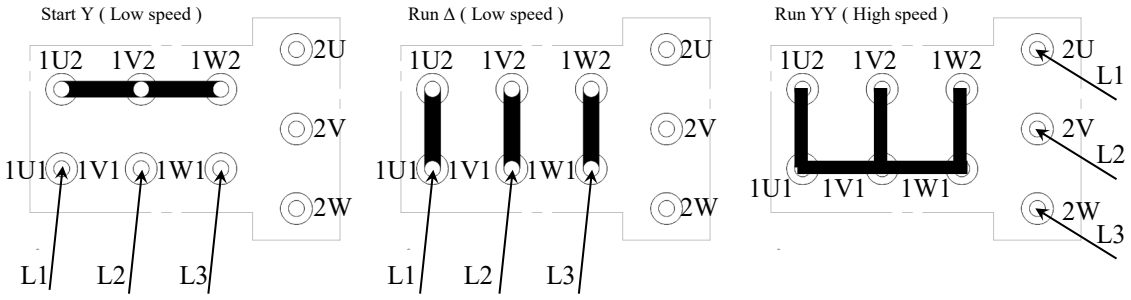


POLE-CHANGING WINDING (SEPERATE WINDINGS)
D.O.L LOW Y D.O.L HIGH Δ

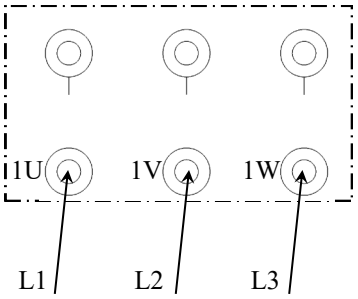


Connection Diagram acc. NEN-EN-IEC60034-8

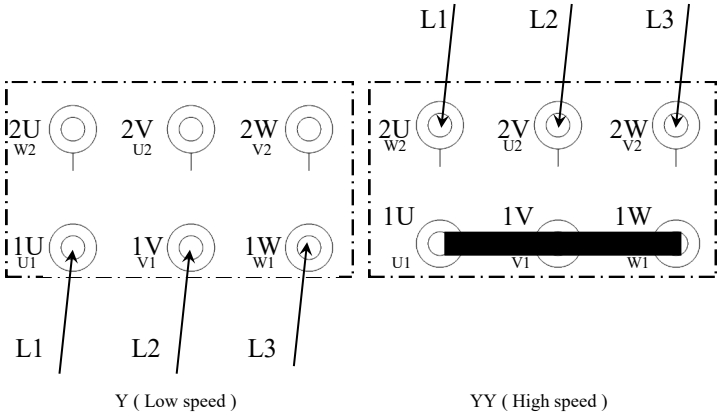
POLE-CHANGING WINDING (DAHLANDER Δ/YY)



PERMANENT MAGNET MOTOR

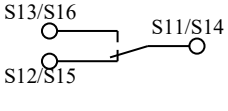


POLE-CHANGING WINDING (DAHLANDER Y/YY & Δ/YY)

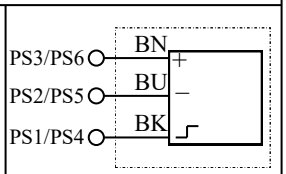


AUXILARY DEVICES

Components	Labeling	Significance
Anti Cond. Heaters (110V/230V)	1HE1 - 1HE2	
Anti Cond. Heaters Brake	2HE1 - 2HE2	
PTC = temperature sensor with	1TP1 - 1TP2	Alarm winding 1
Positive **T**emperature **C**oëfficient	2TP1 - 2TP2	Tripp winding 1
	3TP1 - 3TP2	Alarm winding 2
	4TP1 - 4TP2	Tripp winding 2
	10TP1 - 10TP2	Bearing DE
	11TP1 - 11TP2	Bearing NDE
NTC= temperature sensor with	1TN1 - 1TN2	Winding 1
Negative **T**emperature **C**oëfficient	2TN1 - 2TN2	Winding 2
NI100, PT100 = Resistance thermometers		
2-lead device :	1R1 - 1R2	Winding 1
	2R1 - 2R2	Winding 1
1R1 ○ ○ 1R2	3R1 - 3R2	Winding 1
	4R1 - 4R2	Winding 2
3-lead device :	5R1 - 5R2	Winding 2
1R1 ○ ○ 1R2	6R1 - 6R2	Winding 2
○ 1R2	10R1 - 10R2	Bearing DE
	11R1 - 11R2	Bearing NDE
Bi-metal temperature monitoring	1TB1 - 1TB2	Alarm winding 1
= switch opens when temperature	2TB1 - 2TB2	Tripp winding 1
increases	3TB1 - 3TB2	Alarm winding 2
	4TB1 - 4TB2	Tripp winding 2
KTY	+1R1 - -1R2	Winding 1
= silicon temperature sensor	+2R1 - -2R2	Winding 2
DC-Brake	BD1 - BD2	



Microswitch :
ON/OFF : S11,S12 & S13
Wear detection : S14,S15 & S16



Proximity switch :
ON/OFF :PS1,PS2 & PS3
Wear detection :PS4,PS5 & PS6

ONE-PHASE MOTOR