

# Standards, regulations nomenclature



## Canada

Directive	Preferred voltages	Circuit	Frequency
Energy Efficiency Regulations 1997 Updated Bulletin on Amending the Standards June 2010	332/575 V	Δ/Y	60 Hz 50/60 Hz

Designation	HIGH / energy efficient	Premium
Mandatory as of	1997	19.12.2010
Power range	0,75-375 kW / 1,0-500 hp	0,75-150 kW / 1,0-200 hp
Number of poles	2,4,6,8	2,4,6
Relevant exceptions • High/energy efficient, Premium	<p>1. TENV unventilated motors</p> <p>2. Switchable pole motors ⇒  C7-11</p> <p>3. Intermittent operation / Short term operation The directive only applies to motors in continuous operation. Other operating modes are exempted from the directive, e.g.:</p> <ul style="list-style-type: none"> <li>• S2</li> <li>• S3</li> <li>• S6</li> </ul> <p>Explanation of operating modes ⇒  A19 Motor data ⇒  C2 and above</p> <p>4. Single phase motors ⇒  C12-13</p>	
Relevant exceptions • Premium (High efficiency erforderlich)		<p>1. Gear motors</p> <p>2. Flange version motors</p> <p>3. Vertical shaft outlet</p> <p>4. NEMA Design C or IEC Design H NORD IE2 or “high efficiency” motors have IEC Design H characteristics.</p>
Special features	Motor data ⇒  C14 and above	Motor data ⇒  C20 and above

## Type Plates

### HIGH / energy efficient

Type SK 90 LH/4 CUS TF											
3~ Mot.			No. 200847111-0300				FIN 12345678				
INS F	NEMA	IP55	S1	AMB 40 °C	TEFC	DP					
60Hz	332/575 V Δ/Y	Hz		V Δ/Y							
4.24/2.54 A		2 HP	A	1,5 kW							
PF 0,73	1740 rpm	PF	rpm								
EFF 84%	CODE K	EFF	CODE								
SF1.15	Sf	A	Sf	Sf							
V		V									
A SF		A SF									
Over Temp Prot-2 Class F											
www.nord.com											

### Premium

Type SK 90 LP/4 CUS TF											
3~ Mot.			No. 200847111-0400				FIN 12345678				
INS F	NEMA	IP55	S1	AMB 40 °C	TEFC	DP					
60Hz	332/575 V Δ/Y	Hz		V Δ/Y							
3.88/2.24 A		2 HP	A	1,5 kW							
PF 0,78	1730 rpm	PF	rpm								
EFF 87%	CODE K	EFF	CODE								
SF1.15	Sf	A	Sf	Sf							
V		V									
A SF		A SF									
Over Temp Prot-2 Class F											
www.nord.com											