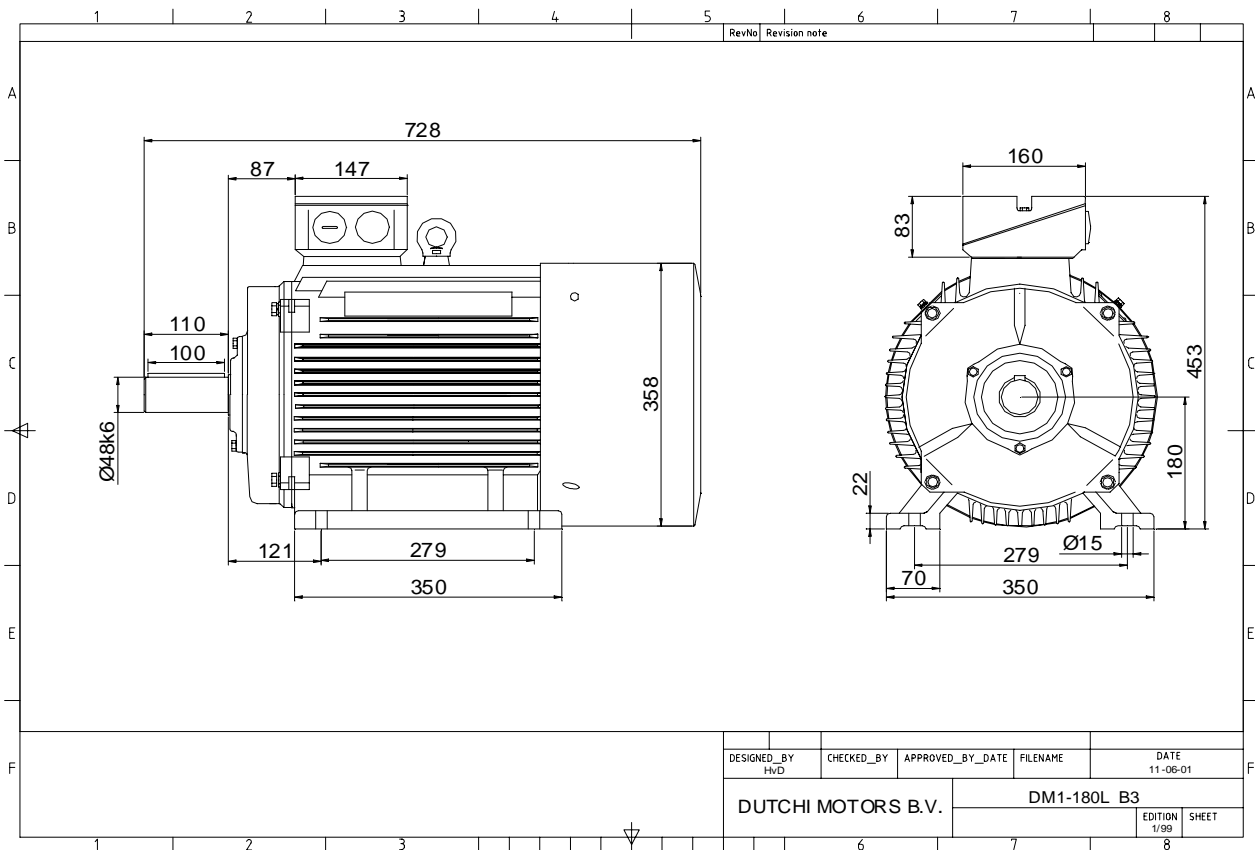


Power is our commodity, the world is our market !



Specification **IEC 60034-1**
 Manufacturer **Dutchi Motors B.V.**
 Motor type **DM1- 180 L8**
 Rated power **11** kW **S1** duty
 Speed **720** r.p.m
 Voltage **400 / 690** V
 Frequency **50** Hz
 Connection **Δ / Y**
 Amps full load **23,3 / 13,4** A
 Amps no-load(400V) **12,60** A
 Enclosure **IP 55**
 Insulation Class **F (temp. rise B (80 K))**

Max. coolant temp. **40°C**
 Max. altitude **1.000** mtr, above sea level
 Comment **3 x PTC 150°C**
 Cable entries **2 x M40x1,5 + 1 x M20x1,5 (ptc)**

Feature **Cast-iron motor**
 Weight **171** kg
 Catalog no. **11138A11D**
 Warranty **12~18 months**

Efficiency class **N/A**
 Load data 100% 75% 50% 25%
 Efficiency **88,7 88,9 87,6 81,5** %
 Power factor **0,77 0,69 0,58 0,37**

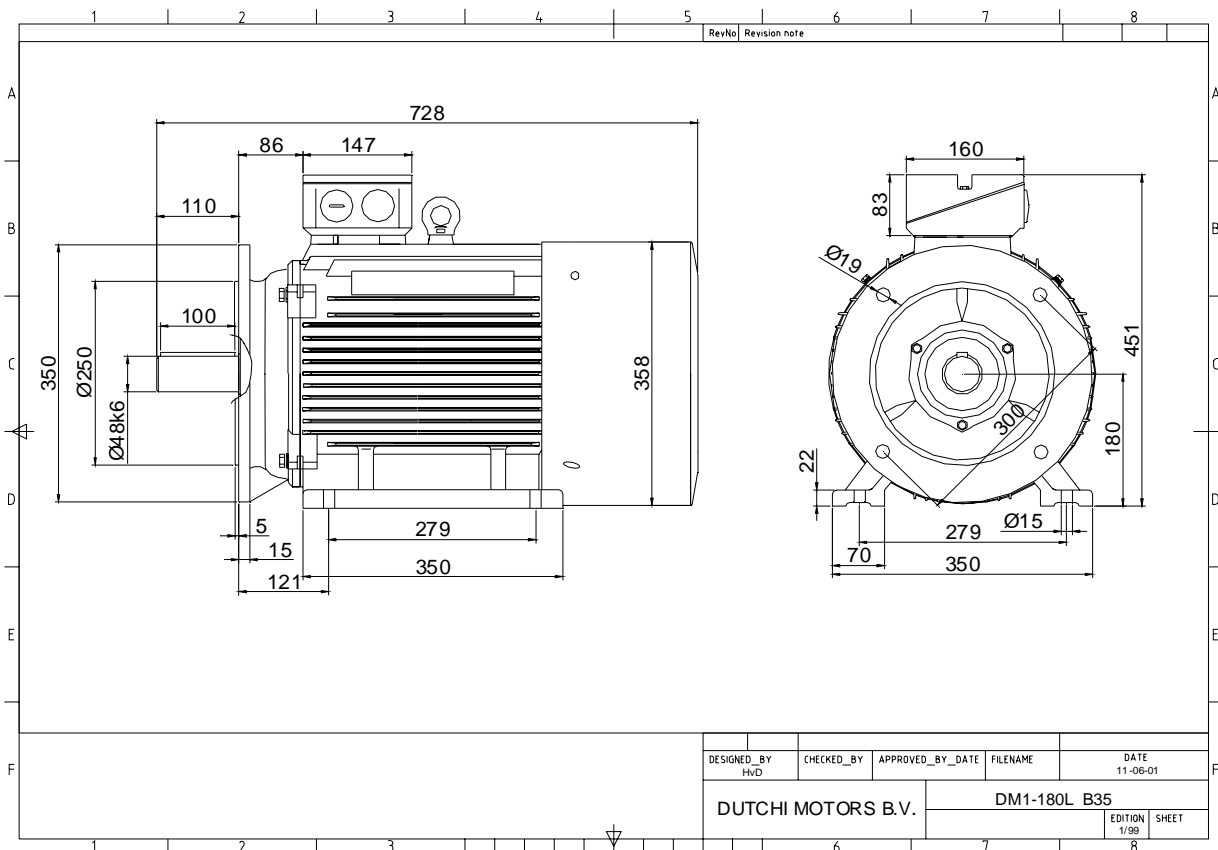
Sound pressure level (1m) **60,3** dB(A)
 Resistance R20 (open) **0,891** Ω
 Resistance R20 **Δ 0,594** Ω

Full load torque **145,90** Nm
 DOL Starting torque vs FL torque **2,13**
 DOL Pull up torque vs FL torque **1,56**
 DOL Pull out torque vs FL torque **2,95**
 Star-Delta Starting torque vs FL torque **0,67**
 Star-Delta Pull up torque vs FL torque **0,49**
 Star-Delta Pull out torque vs FL torque **0,92**
 DOL Starting current vs FL current **6,39**
 Star Delta Starting current vs FL current **2,00**
 Rotor Inertia **0,1670** kgm²

Bearing DE **6311 - ZZ C3**
 Bearing NDE **6311 - ZZ C3**

WI	Change	date	sign.
Dutchi Motors B.V.		Description	date
P.O. Box 5390		Drawing made by :	27-04-04
NL-6802 EJ ARNHEM			
Tel : +31-(0)26 - 3541 600		dutchi.motors@dutchi.nl	
Fax : +31-(0)26 - 3541 650		www.dutchi.com	

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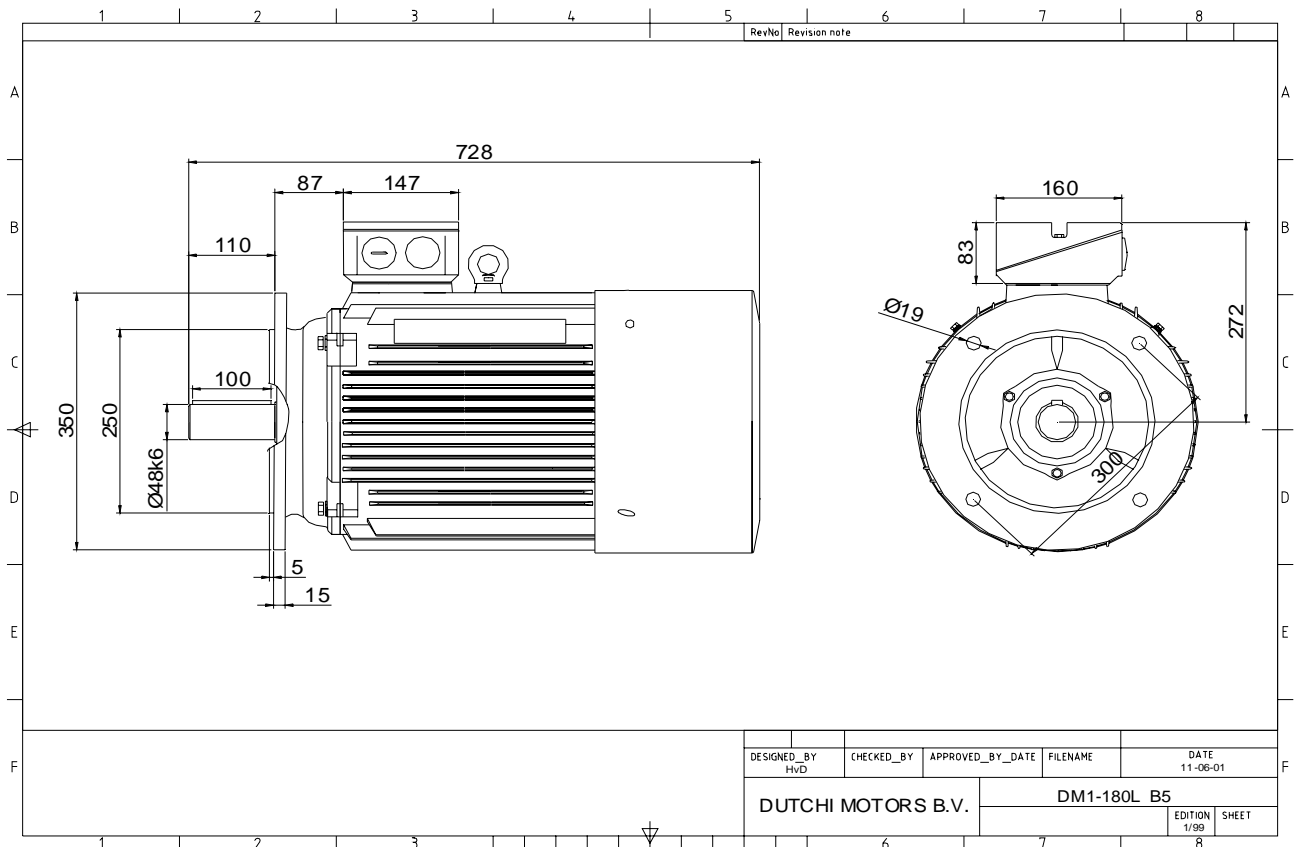
DESIGNED_BY HVD	CHECKED_BY	APPROVED_BY_DATE	FILENAME	DATE 11-06-01
DUTCHI MOTORS B.V.			DM1-180L B35	
			EDITION 1/99	SHEET

Specification	IEC 60034-1
Manufacturer	Dutchi Motors B.V.
Motor type	DM1- 180 L8
Rated power	11 kW S1 duty
Speed	720 r.p.m
Voltage	400 / 690 V
Frequency	50 Hz
Connection	Δ / Y
Amps full load	23,3 / 13,4 A
Amps no-load(400V)	12,60 A
Enclosure	IP 55
Insulation Class	F (temp. rise B (80 K))
Max. coolant temp.	40°C
Max. altitude	1.000 mtr, above sea level
Comment	3 x PTC 150°C
Cable entries	2 x M40x1,5 + 1 x M20x1,5 (ptc)
Feature	Cast-iron motor
Weight	171 kg
Catalog no.	11538A11D
Warranty	12~18 months

Efficiency class	N/A			
Load data	100%	75%	50%	25%
Efficiency	88,7	88,9	87,6	81,5 %
Power factor	0,77	0,69	0,58	0,37
Sound pressure level (1m)				60,3 dB(A)
Resistance R20 (open)				0,891 Ω
Resistance R20	Δ			0,594 Ω
Full load torque				145,90 Nm
DOL Starting torque vs FL torque				2,13
DOL Pull up torque vs FL torque				1,56
DOL Pull out torque vs FL torque				2,95
Star-Delta Starting torque vs FL torque				0,67
Star-Delta Pull up torque vs FL torque				0,49
Star-Delta Pull out torque vs FL torque				0,92
DOL Starting current vs FL current				6,39
Star Delta Starting current vs FL current				2,00
Rotor Inertia				0,1670 kgm ²
Bearing DE				6311 - ZZ C3
Bearing NDE				6311 - ZZ C3

WI	Change	date	sign.
Dutchi Motors B.V. P.O. Box 5390 NL-6802 EJ ARNHEM Tel : +31-(0)26 - 3541 600 Fax : +31-(0)26 - 3541 650		Discription Drawing made by : 27-04-04	date sign. HVD
		dutchi.motors@dutchi.nl www.dutchi.com	

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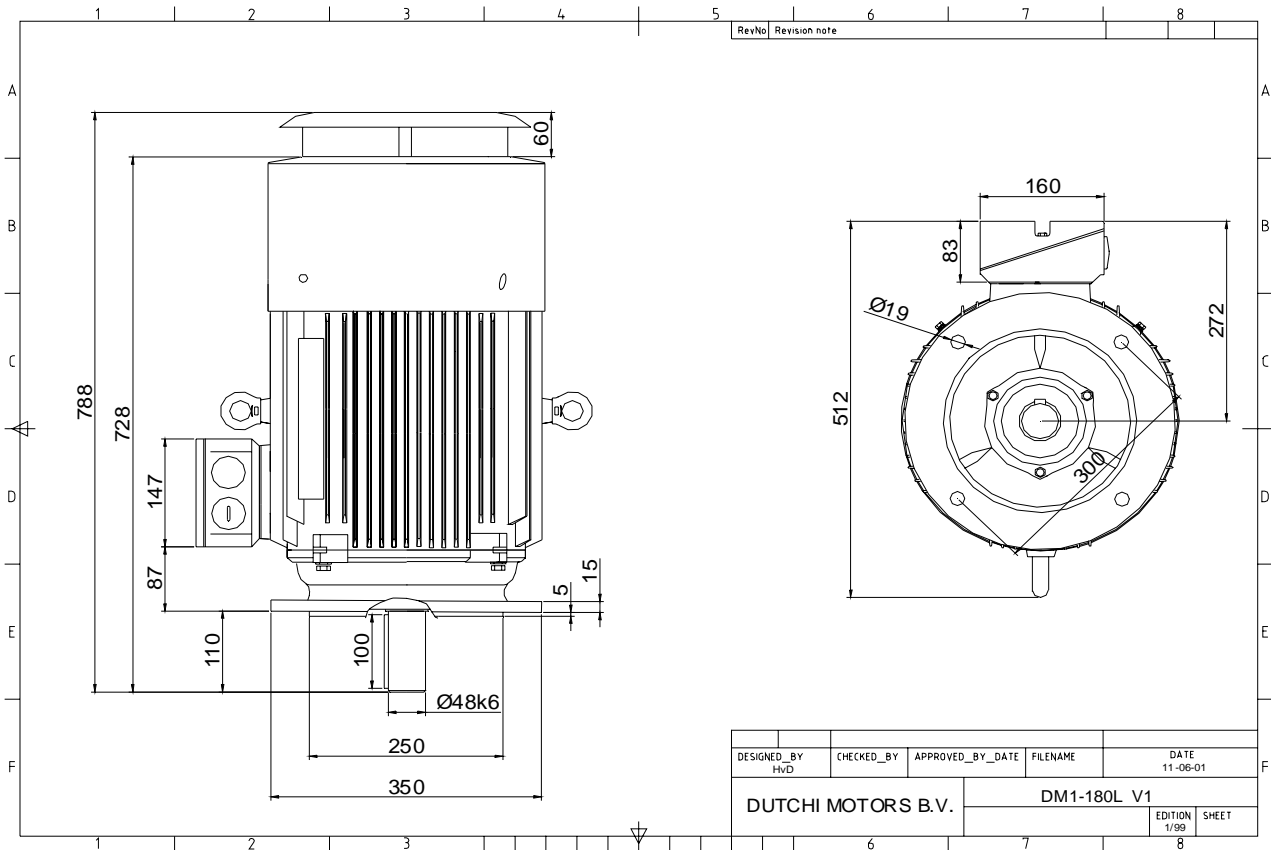
DESIGNED_BY HvD	CHECKED_BY	APPROVED_BY_DATE	FILENAME	DATE 11-06-01
DUTCHI MOTORS B.V.			DM1-180L B5	EDITION 1/99
				SHEET

Specification	IEC 60034-1
Manufacturer	Dutchi Motors B.V.
Motor type	DM1- 180 L8
Rated power	11 kW S1 duty
Speed	720 r.p.m
Voltage	400 / 690 V
Frequency	50 Hz
Connection	Δ / Y
Amps full load	23,3 / 13,4 A
Amps no-load(400V)	12,60 A
Enclosure	IP 55
Insulation Class	F (temp. rise B (80 K))
Max. coolant temp.	40°C
Max. altitude	1.000 mtr, above sea level
Comment	3 x PTC 150°C
Cable entries	2 x M40x1,5 + 1 x M20x1,5 (ptc)
Feature	Cast-iron motor
Weight	171 kg
Catalog no.	11238A11D
Warranty	12~18 months

Efficiency class	N/A			
Load data	100%	75%	50%	25%
Efficiency	88,7	88,9	87,6	81,5 %
Power factor	0,77	0,69	0,58	0,37
Sound pressure level (1m)				60,3 dB(A)
Resistance R20 (open)				0,891 Ω
Resistance R20	Δ			0,594 Ω
Full load torque				145,90 Nm
DOL Starting torque vs FL torque				2,13
DOL Pull up torque vs FL torque				1,56
DOL Pull out torque vs FL torque				2,95
Star-Delta Starting torque vs FL torque				0,67
Star-Delta Pull up torque vs FL torque				0,49
Star-Delta Pull out torque vs FL torque				0,92
DOL Starting current vs FL current				6,39
Star Delta Starting current vs FL current				2,00
Rotor Inertia				0,1670 kgm ²
Bearing DE				6311 - ZZ C3
Bearing NDE				6311 - ZZ C3

WI	Change	date	sign.
Dutchi Motors B.V. P.O. Box 5390 NL-6802 EJ ARNHEM Tel : +31-(0)26 - 3541 600 Fax : +31-(0)26 - 3541 650		Discription Drawing made by :	date 27-04-04 sign. HvD
		dutchi.motors@dutchi.nl www.dutchi.com	

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Specification	IEC 60034-1
Manufacturer	Dutchi Motors B.V.
Motor type	DM1- 180 L8
Rated power	11 kW S1 duty
Speed	720 r.p.m
Voltage	400 / 690 V
Frequency	50 Hz
Connection	Δ / Y
Amps full load	23,3 / 13,4 A
Amps no-load(400V)	12,60 A
Enclosure	IP 55
Insulation Class	F (temp. rise B (80 K))
Max. coolant temp.	40°C
Max. altitude	1.000 mtr, above sea level
Comment	3 x PTC 150°C
Cable entries	2 x M40x1,5 + 1 x M20x1,5 (ptc)
Feature	Cast-iron motor
Weight	171 kg
Catalog no.	11038A11D
Warranty	12~18 months

Efficiency class	N/A			
Load data	100%	75%	50%	25%
Efficiency	88,7	88,9	87,6	81,5 %
Power factor	0,77	0,69	0,58	0,37
Sound pressure level (1m)				60,3 dB(A)
Resistance R20 (open)				0,891 Ω
Resistance R20	Δ			0,594 Ω
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DOL Starting torque vs FL torque				2,13
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Rotor Inertia				0,1670 kgm ²
Bearing DE				6311 - ZZ C3
Bearing NDE				6311 - ZZ C3

WI	Change	date	sign.
Dutchi Motors B.V. P.O. Box 5390 NL-6802 EJ ARNHEM Tel : +31-(0)26 - 3541 600 Fax : +31-(0)26 - 3541 650		Discription Drawing made by :	date 27-04-04 sign. HvD
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