



GENERAL DATA

Request #00467006

File: A-G_DST_LIGHT_EN_COMPRESSED_SI#467006



PDF-Datasheet

A.1.10.10	Customer references	
FARM	Company	STM Finland
NAME_CUST	Customer contact person	Mikko Valtonen
ADRESS_CUS	ST Address	Luoteisrinne 5 - 02270 Espoo (Finland)
A.2.10.10	Product Family	
M_MASTER	Machine_MASTER	STM_HTL_MON_A-G
A.2.10.20	Family Features	
G_CHR_A	Feature No.1	Inline gearboxes and gear motors A
A.3.10.10	Gearbox coding parameters - BASIC	
М	Machine	A
IV	Input Version	M = pre arrangement motor
SIZE	Size	120 = Size_120
MFG	Modular feet	- = Not modular feet
ov	Output Version	P = feet design
OF	Output flange	F0 = Support for output without holes - for version with feet
NOR	No. of stages	3
IR	Reduction ratio	124.9
IVT	Input Version - TYPE	IEC = IEC - Motor Type
IS	Input shaft	100B5
TOBE	Tapered Output Bearings	- = Standard radial or tapered bearings
TYPSD	Output shaft type	SI = mm
SD	Shaft Diameter	Ø60
MP	Mounting positions	М1
A.3.30.10	OPT - Options - Material of sealing rings	
ОРТ	OPT - Options - Material of sealing rings	- = Seal-Type - STANDARD
A.3.30.20	OPTI - Options - Lubricant supply status	and lubricant technical specifications
OPT1	OPT1 - Options - Oil supply status	INOIL_STD = Gearbox with lubricant STM standard
A.3.30.30	OPT2 - Options - Painting	
OPT2	OPT2 - Options - Painting	TypSTM = Painting and surface protection - Standard STM
A.3.41.10	MOTOR GEARBOXES	
MGBCK	Gear motors - YES/NO	N



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PDF-Datasheet



A

PRODUCT DATA SHEET

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C.1.10.30	Gearbox - Basic plate data		
n1	Input shaft speed	1400	[rpm]
n2	Output shaft speed	11	[rpm]
ir_gear	Transmission ratio	124.9	[Numeric]
TN	Gearbox Nominal Output Torque	3300	[Nm]
P1n	Nominal Input Mechanical Power	4.2	[kW]
RD%	Dynamic efficiency	93	[Numeric]
Fr(I/2) n1	Input Nominal Radial Load for Gearbox at I/2 distance	1467	[N]
Fr(l/2) n2	Output Nominal Radial Load for Gearbox at I/2 distance	25000	[N]
Fa n1	Input Nominal Axial Load	293	[N]
Fa n2	Output Nominal Axial Load	5000	[N]
Ptn	Thermal Power Rating	22.1	[kW]

Date: 09/06/2022





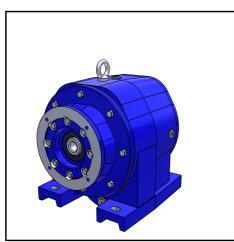
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Dimensioni **Dimensions Abmessungen**

Section:

Designation

E.0 Designation gearbox:



M(Machine)		
SIZE (Size) 120 = Size_120	M (Machine)	A
MFG (Modular feet) OV (Output Version) OF (Output Version) OF (Output Flange) F0 = Support for output without holes - for version with feet NOR (N° of reductions) IZ + 9 IVT (Input Version - TYPE) IS (Input Shaft) IVT (Input Shaft Shaft) IVT (Input Shaft) IVT (Input Shaft Sha	IV (Input Version)	M = pre arrangement motor
OV (Output Version) OF (Output Flange) F0 = Support for output without holes - for version with feet NOR (N° of reductions) IR (Reduction ratio) IVT (Input Version - TYPE) IS (Input Shaft) 10085 TOBE (Output Bearings - TYPE) TYPSD (Typ output shaft) SD (Shaft Diameter) MP (Mounting positions) OPT (OPT - Options - Materials of Seals) OPT1 (OPT1 - Options - Scope of the supply - Options - Other Options - Other Options - Standard STM SIGNAR (Marking) MGBCK (Motor gearboxes - YES/NO) MABB (Motor gearboxes - YES/NO) MAB (Motor gearboxes) IN (Options inverter) BF (Options balanced winding) POL (Pole n.) TOW (Type of winding) SIZEM (Motor size) LEN (Length) DV (Design version) PMT (Position Terminal Box) AVC (Available configurations) SDM (Motor shaft diameter) F (Flange) HB14 (n° holes flange b14) IP (Protection level) PLATE (Plate) POW (Power) CEP1 (cable entry 1 position motor) CEP2 (cable entry 2 position motor) CFP2 (cable entry 2 position motor) CFP2 (cable entry 2 position servoventilation) SAVE (Reparate power servoventilation) PSAVE (Separate fan terminal position) RS (Rain shield) CEPT (Thermal cable entry position) RS (Rain shield) CEPT (Thermal cable entry position)	SIZE (Size)	120 = Size_120
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NOR (N° of reductions) 3 = N° of reductions R (Reduction ratio) 124 9 IVT (Input Version - TYPE) IEC = IEC - Motor Type IS (Input Shaft) 10085 TOBE (Output Bearings - TYPE) - = Standard radial or tapered bearings TYPSD (Typ output shaft) SI = mm SD (Shaft Diameter) 060 MP (Mounting positions) M1 OPT (OPT - Options - Materials of Seals) - = Seal-Type - STANDARD OPT1 (OPT1 - Options - Scope of the supply - Options - OIL) Standard STM OPT2 (OPT2 - Options - Painting and surface protection - Standard STM SURFAME (Motor gearboxes - YES/NO) N = NO - Motor gearboxes MAR (Marking) - MGBCK (Motor gearboxes - YES/NO) N = NO - Motor gearboxes MR (Motor gearboxes - YES/NO) N = NO - Motor gearboxes MR (Options inverter) - BF (Options balanced winding) - POL (Pole n.) - TOW (Type of winding) - SIZEM (Motor size) - LEN (Length) - DV (Design version) - PMT (Position Terminal Box) - AVC (Available configurations) - F (Flange) - HB14 (n° holes flange b14) - P (Protection level) - PLATE (Plate) - POW (Power) - CEP1 (cable entry 1 position motor) - CEP2 (cable entry 2 position motor) - CEP2 (cable entry 2 position motor) - CEP2 (cable entry 4 position motor) - CEP2 (cable entry 5 position motor) - PF (Protection level brake) - DES (Double ended shaft) - PC (Cooling) - SAVE (Separate power servoventilation) - PSAVE (Separate fan terminal position) - CEP7 (cable entry position servoventilation) - RS (Rain shield) - CEPT (Thermal cable entry position) -	OV (Output Version)	P = feet design
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CEPV (cable entry position - servoventilation) RS (Rain shield) - CEPT (Thermal cable entry position) -	VSAVE (External power supply fan)	-
servoventilation) RS (Rain shield) CEPT (Thermal cable entry position)	PSAVE (Separate fan terminal position)	-
RS (Rain shield) - CEPT (Thermal cable entry position) -	,	-
CEPT (Thermal cable entry position)	•	
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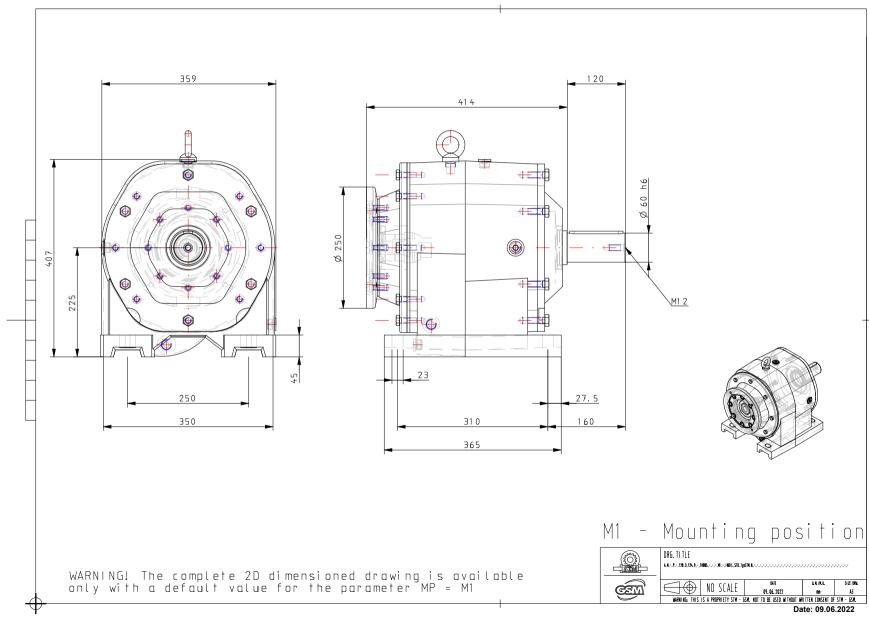
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E.1

General Dimension 2D:







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Dimensioni Dimensions Abmessungen

Section	•
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Designat	signation A_MP120_3_124.9100B5M1INOIL_STD_TypSTM_N								
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