PDF-Datasheet

GENERAL DATA

Request #00537632

File: A-G_DST_LIGHT_EN_COMPRESSED_SI#537632

Section A

A_M_-_P_-_80_2_24.9_-_112B5_-_-_-_M1_-_INOIL_STD_TypSTM_N_-

A.1.10.10 Customer references

FARM	Company	**STM Finland**
NAME_CUST	Customer contact person	**Mikko Valtonen**
ADRESS_CUST	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

M	Machine	**A**
IV	Input Version	**M = pre arrangement motor**
SIZE	Size	**80 = Size_80**
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	**2 = N° of reductions**
IR	Reduction ratio	**24.9**
IVT	Input Version - TYPE	**IEC = IEC - Motor Type**
IS	Input shaft	**112B5**
TOBE	Tapered Output Bearings	**- = Standard radial or tapered bearings**
TYPSD	Output shaft type	**SI = mm**
SD	Shaft Diameter	**Ø40**
MP	Mounting positions	**M1**

A.3.30.10 OPT - Options - Material of sealing rings

OPT	OPT - Options - Material of sealing rings	**- = Seal-Type - STANDARD**

A.3.30.20 OPT1 - 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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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	**56.17**	[rpm]
ir_gear	Transmission ratio	**24.9**	[Numeric]
TN	Gearbox Nominal Output Torque	**940**	[Nm]
P1n	Nominal Input Mechanical Power	**5.82**	[kW]
RD%	Dynamic efficiency	**95**	[Numeric]
Fr(l/2) n1	Input Nominal Radial Load for Gearbox at l/2 distance	**799**	[N]
Fr(l/2) n2	Output Nominal Radial Load for Gearbox at l/2 distance	**8709**	[N]
Fa n1	Input Nominal Axial Load	**160**	[N]
Fa n2	Output Nominal Axial Load	**1742**	[N]
Ptn	Thermal Power Rating	**15**	[kW]

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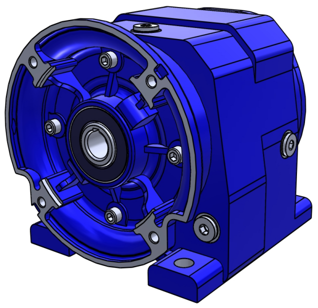
Designation A_M_-_P_-_80_2_24.9_-_112B5_-_-_-_M1_-_INOIL_STD_TypSTM_N_-

E.0 Designation gearbox:



M (Machine)	A
IV (Input Version)	M = pre arrangement motor
SIZE (Size)	80 = Size_80
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 (N° of reductions)	2 = N° of reductions
IR (Reduction ratio)	24.9
IVT (Input Version - TYPE)	IEC = IEC - Motor Type
IS (Input Shaft)	112B5
TOBE (Output Bearings - TYPE)	- = Standard radial or tapered bearings
TYPSD (Typ output shaft)	SI = mm
SD (Shaft Diameter)	Ø40
MP (Mounting positions)	M1
OPT (OPT - Options - Materials of Seals)	- = Seal-Type - STANDARD
OPT1 (OPT1 - Options - Scope of the supply - Options - OIL)	INOIL_STD = Gearbox with lubricant STM standard
OPT2 (OPT2 - Options - Painting and surface protection)	TypSTM = Painting and surface protection - Standard STM
MGBCK (Motor gearboxes - YES/NO)	N = NO - Motor gearboxes
MAR (Marking)	-
MGB (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)	-
TOD (Type of duty)	-
TOB (Type of brake)	-
RLP (Release lever position)	-
IPF (Protection level brake)	-

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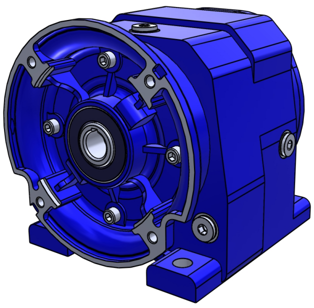
E.0 Designation gearbox:

DES (Double ended shaft)	-
PC (Cooling)	-
SAVE (Separate power servoventilation)	-
VSAVE (External power supply fan)	-
PSAVE (Separate fan terminal position)	-
CEPV (cable entry position servoventilation)	-
RS (Rain shield)	-
CEPT (Thermal cable entry position)	-
PA (Painting)	-



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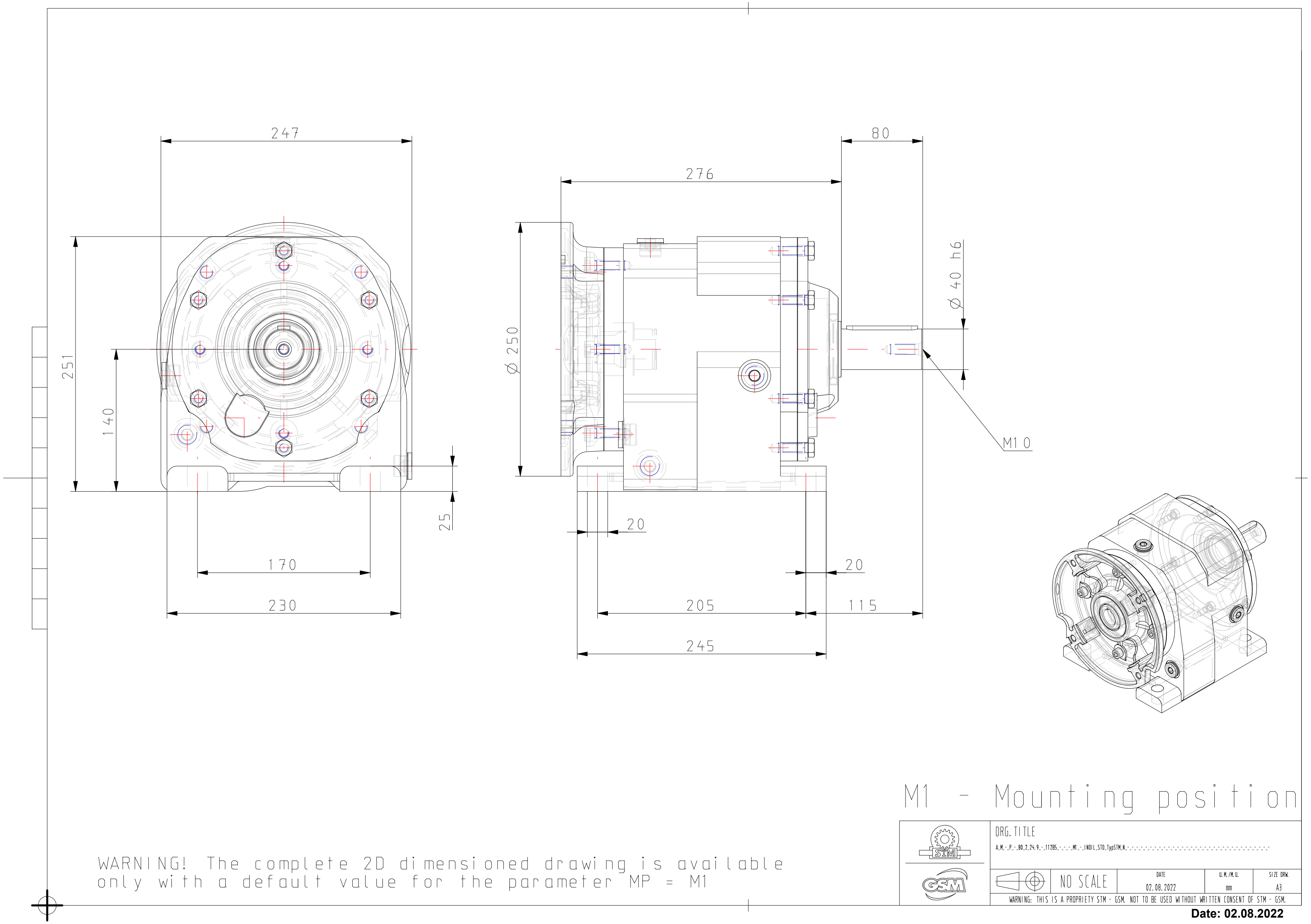
E.1 General Dimension 2D:



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