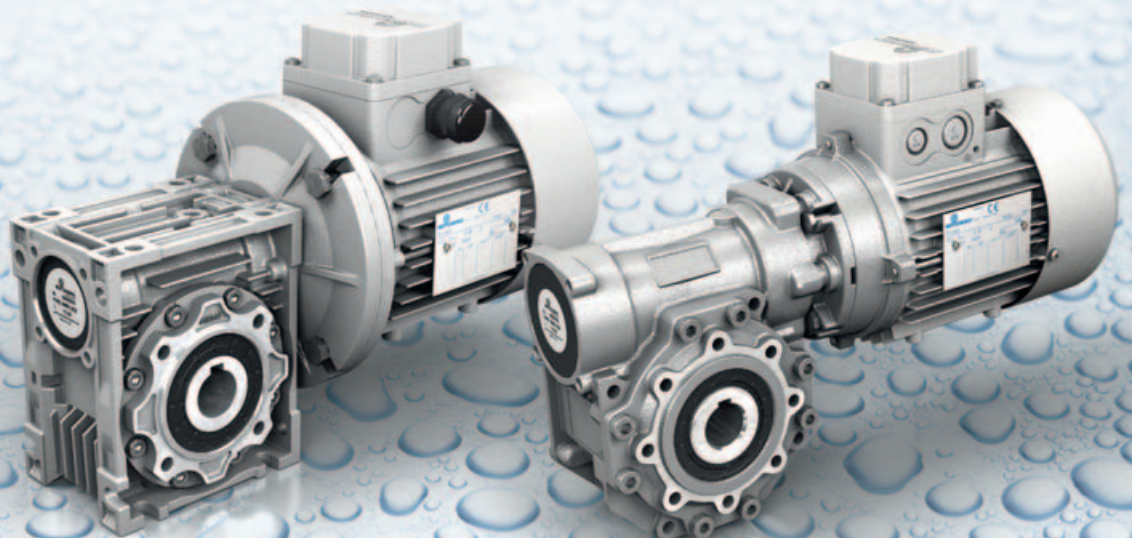


n e w

NMRX
Aggressive Environments

SWX
Clean Environments



MOTOVARIO[®]
HEART OF MOTION

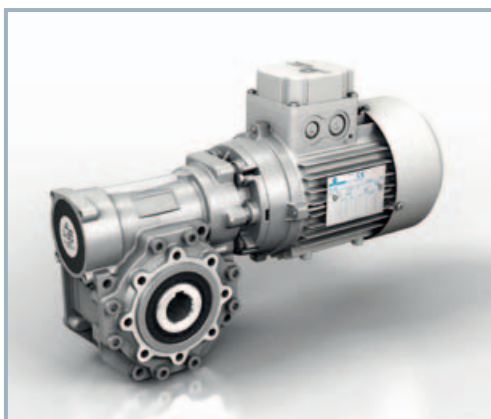
The need to provide geared motors suitable for use in **wet and corrosive environments** has led Motovario to design a **new product range** specific to these fields.

These products use materials, surface treatments, components and mechanical process for the motor and gearbox to increase both resistance and reliability.

Range



NMRX	040	050	063	075	090
M2 [Nm]	44	77	135	210	396
P1 [kW]	1,2	2,2	2,8	4,1	6,9
Ratio (i)	5..100				
D [mm]	Ø18-19	Ø24-25	Ø25	Ø28-30	Ø35
	Ø0.75"	Ø1"	Ø1.125"	Ø1.25"	Ø1.375"
H [mm]	121,5	144,0	174,0	205,0	238,0



SWX	030	040	050	063	075	090	105
M2 [Nm]	18	40	73	135	210	360	660
P1 [kW]	0,6	1,1	2,0	2,8	4,1	6,3	10,4
Ratio (i)	5..80	5..100					
D [mm]	Ø14	Ø18-19	Ø24-25	Ø25	Ø28-30	Ø35	Ø42
	Ø0.625"	Ø0.75"	Ø1"	Ø1.125"	Ø1.25"	Ø1.375"	Ø1,625"
H [mm]	94,5	112,0	136,0	168,0	197,0	230,0	284,0

Foot, flange and shaft mounting. Input side with PAM flange according to the catalogue predispositions.

Fields of Application



Food processing, poultry, fishing, meat and fish industry



Chemical, cosmetic and pharmaceutical industry



Marine on-board (i.e.: capstan and winches) and quayside installations



Outdoors installation (i.e.: sluice gate)



Corrosive/high humidity (i.e.: car wash or swimming pool cover applications) and/or highly hygienic environments

NMRX | SWX

Standard Features

Specific adhesive nameplate for aggressive environments



Hollow low speed shaft AISI 304

Anti-corrosion screws

Synthetic oil

Specific input flange to seal Reducer/ Motor coupling

Standard painting blue RAL 5010

Available SWX geared motors ANTICORROSION Series version with Optional Special anticorrosion painting Blue RAL 5010 / Grey RAL 9006 / White RAL 9010



Electric Motors Series for **aggressive** environments: TSX-THX

- Motor unpainted, three-phase 4 poles
- Sizes and powers according to Motor Catalogue M/2011/REV.1
- B5 - B14 mounting position with corresponding vertical position
- Aluminum nameplate
- Screws AISI 304
- Tie rod AISI 316
- Protection rating IP56
- Insulation Class F
- Cooling system IC411
- Standard ambient conditions
- Available TSBX/TBHX Brake Motors Series for aggressive environments

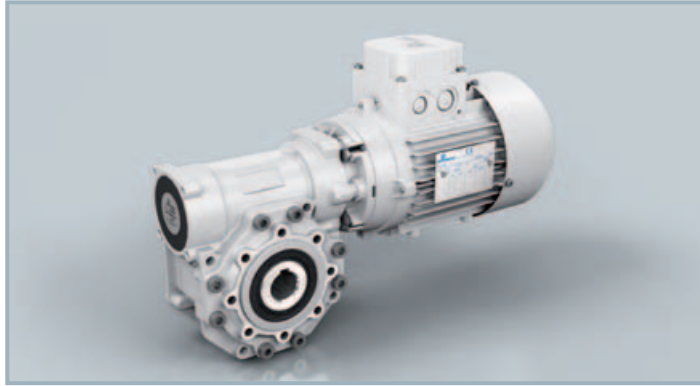
Options/**Accessories** NMRX | SWX

- Reinforced viton oil seals loaded with stainless steel spring
- Double lip, washdown duty oil seals with stainless steel frame
- Shielded bearings on low speed shaft 2RS type
- Low speed shaft AISI 304
- Breather plugs pos. B3/V6/B8 + Unused plug holes closed with button plugs (only NMRX)
- Food grade lubricant, Class H1/UH1
- Lubrication oil suitable for high and low temperatures
- Hollow low speed shaft safety cover
- Optional paint colours grey RAL 9006 and white RAL 9010
- Output flange, SWX foot, Torque arm painted according to the gear reducer

Options/**Accessories** TSX-THX

- Terminal box with IP67 connection
- Protection rating IP66
- Insulation Class H
- Cooling system IC416
- Low temperatures, high temperatures and humid environment design options
- Shielded bearings 2RS
- Tropicalisation, condensation heaters, condensation drain holes
- Thermal cutouts and Thermistors F / H class
- Optional painting blue RAL 5010 or grey RAL 9006 or white RAL 901
- Rain cover roof painted according to the motor
- UL and GOST Certifications





Standard features Gear Reducers

- Hollow low speed shaft AISI 316
- Specific adhesive nameplate for aggressive environments
- Specific input flange to seal Reducer/Motor coupling (IEC Motors)
- Anti-corrosion screws AISI 316
- Threaded holes sealed using pressed plugs without recesses
- "Sealed" casing
- Double lip, washdown duty oil seals with stainless steel frame
- Shielded bearings on low speed shaft 2RS type
- Food grade lubricant, Class H1/UH1
- Double layer epoxy painting FDA approved white RAL 9010

Options/Accessories Gear Reducers

- Low speed shaft AISI 316
- Hollow low speed shaft safety cover
- Output flange, SWX foot, Torque arm painted white RAL 9010

Standard features Electric Motors

- Motor three-phase 4 poles
- Sizes and powers according to Motor Catalogue M/2011/REV1
- B5 - B14 Mounting position with corresponding vertical position
- Screws, tie rod and geared motor nameplate AISI 316
- Shielded bearings 2RS type
- Protection rating IP56
- Insulation Class F
- Cooling system IC411
- Standard ambient conditions
- Double layer epoxy painting FDA approved white RAL 9010

Options/Accessories Electric Motors

- Terminal box with IP67 connection
- Protection rating IP66
- Insulation Class H
- Cooling system IC416
- Low temperatures, high temperatures and humid environment design options
- Tropicalisation, condensation heaters, condensation drain holes
- Thermal cutouts and Thermistors F / H class
- Rain cover roof painted white RAL 9010
- UL and GOST Certifications
- Brake Motors available on request

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