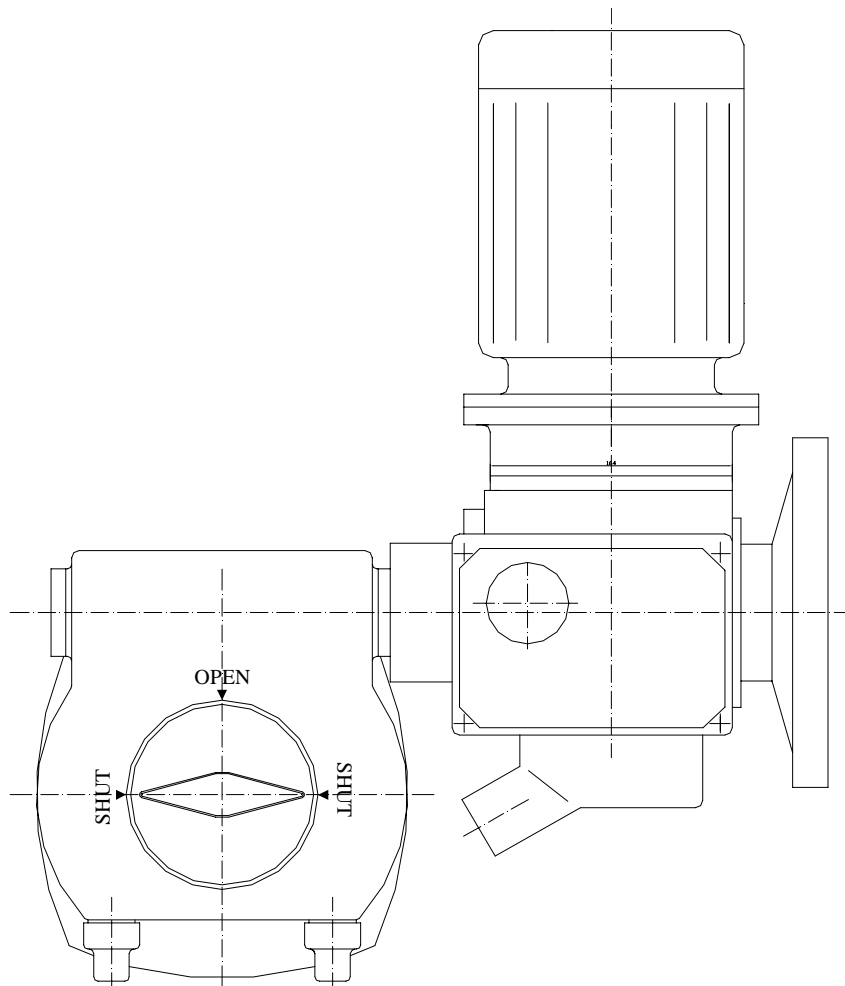


MECANISME ELECTRICE PENTRU ACTIONAREA ROBINETILOR SFERT DE TURA

ELECTRIC ACTUATORS FOR QUARTER-TURN VALVES

TIP/TYPE
NOTOR ST



44/2006-Rev.1

Mecanismele tip **NOTOR ST** si **NOTOR R ST** se folosesc pentru actionarea electrica a robinetelor industriale sfert de tura, precum si pentru alte aplicatii .

1. Conditii de utilizare a mecanismelor

- tensiuni de alimentare:
- standard: 380 V.
- la cerere: 220 V; 400 V; 500 V.
- frecventa retelei:
- standard: 50 Hz.
- la cerere: 60 Hz.
- numar maxim de porniri pe ora: **6** pentru **NOTOR ST**
:120...1200 pentru **NOTOR R ST**
- temperatura mediului ambiant:
- pentru mecanism:
- standard: -20°C.....+45°C.
- la cerere: -40°C.....+40°C.
- pentru cofretul electric:
- standard: -5°C.....+40°C.
- la cerere: -29°C.....+40°C.
- executie speciala pentru climat tropical umed **TH**, conform STAS 6692-83.
- puterea maxima a motorului electric: **4kW**.
- turatia motorului electric: **1500 rot/min**.
- gradul de protectie mecanica: **IP 54**.
- variante de executie:
- normala: **N**

2. Caracteristici constructive

Mecanismele tip **NOTOR ST** si **NOTOR R ST** includ urmatoarele subsansamble de baza:

- mecanism multitura NOTOR A/C**
- reductor melcat sfert de tura tip AMS**

3. Caracteristici tehnice si dimensiuni conform fise anexate

NOTOR ST and **NOTOR R ST** electric actuators are designed to drive “quarter-turn” industrial valves or any other applications.

1. General operating conditions

- supply voltages:
- standard: 380 V.
- by request: 220 V; 400 V; 500 V.
- frequency:
- standard: 50 Hz.
- by request: 60 Hz.
- maximum number of starts/hour: **6-NOTOR ST**
:120....1200 for **NOTOR R ST**
- temperature of the ambient:
- for the actuator:
- standard: -20°C.....+45°C.
- by request: -40°C.....+40°C.
- for the power switch box:
- standard: -5°C.....+40°C.
- by request: -29°C.....+40°C.
- special **TH** manufacturing available, as per STAS 6692-83.
- maximum power of the electric motor: **4kW**.
- electric motor speed: **1500 rot/min**.
- mechanical enclosure degree: **IP 54**.
- manufacturing variants available:
 - for normal environment: **N**

2. Constructive features

NOTOR ST for **NOTOR R ST** type actuators include the following basic units:

- actuator NOTOR A/C**
- worm gear boxes** quarter turn typ **AMS**

3. Technical features according to technical sheet

MECANISM ACTIONARE ELECTRICA “SFERT DE TURA”
Lista componenta catalog mecanisme

rev.1

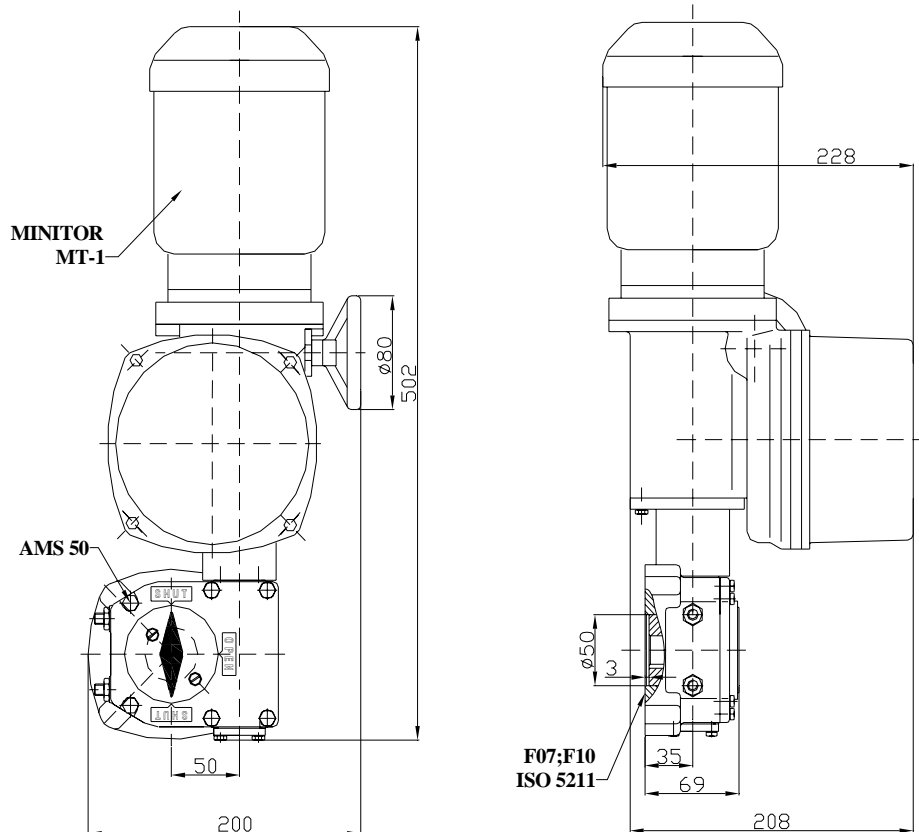
Crt nr.	Range Gama	Actuator Tip red.	Tech. sheet Nr.fisa the.	Date Data
1	Mecanisme de actionare a armaturilor industriale “SFERT DE TURA” tip NOTOR R ST si NOTOR ST	NR 3ST(N 3ST)	724a	01.09.2006
2		NR 4ST(N 4ST)	549a	04.09.2006
3		NR 5.2ST(N 5.2ST)	1031a	04.09.2006
4		NR 6ST(N 6ST)	514a	04.09.2006
5		NR 7ST(N 7ST)	728a	04.09.2006
6		NR 8ST(N 8ST)	729a	05.09.2006
7		NR 9ST(N 9ST)	661b	05.09.2006
8		NR 10ST(N 10ST)	1437b	06.09.2006
9		NR 11ST(N 11ST)	1438b	06.09.2006
10		NR 12ST(N 12ST)	99a	08.09.2006

MECANISM DE ACTIONARE ELECTRICA "SFERT DE TURA" NR 3 ST (N3ST)



1. Dimensiuni

NR.	724 a
Data	01.09.2006



2. Caracteristici Tehnice

- Moment iesire.....400 N.m
- Cursa.....90°
- Durata cursei..... 44 sec
- Tip motor.....pentru NR3ST-TAR
.....pentru N3ST-ASI
- Putere motor..... 0,12 kW
- Turatie motor.....1500 rot/min
- Prindere tip ISO 5211.....F07;F10
- Greutate.....11,8 kg

3. Simbolizare

NR3ST(N3ST) - 400 - 28 / 90 - 63 - F12 / 1 / 50 - A - 1E

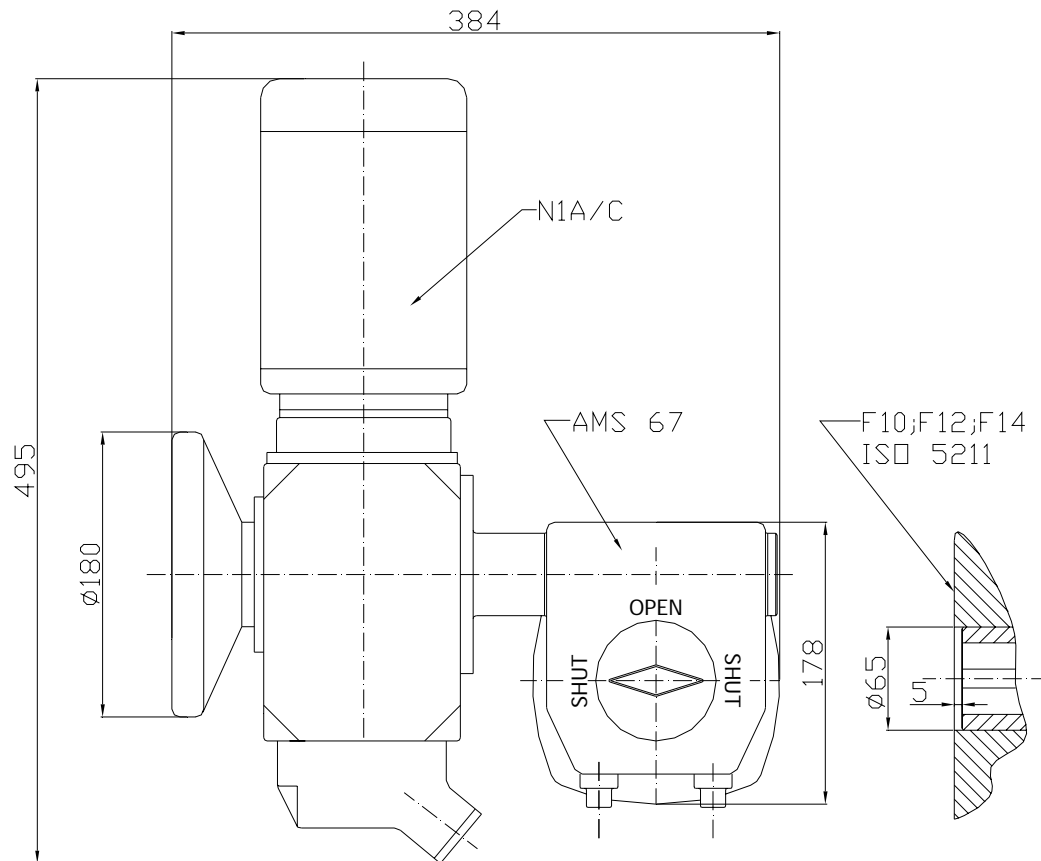
Tip si marime	Var. echipare
Moment iesire [N.m]	Poz. canal pana
Durata cursei [sec]	Cod dimensiune
Cursa [°]	Forma de antrenare
Gabarit motor	Flansa de prindere - ISO 5211

MECANISM SFERT DE TURA NR 4ST (N 4 ST)



1. DIMENSIUNI

NR.	549a
Data	04.09.2006



2. CARACTERISTICI TEHNICE

- Moment iesire.....800 N.m
- Cursa..... 90°
- Durata cursei.....14,6;26,4 sec
- Putere motor.....0,25;0,37 Kw
- Tip motor.....TAR-pentru NR 4ST
ASI- pentru N 4ST
- Turatie motor.....1500 rot/min
- Prindere tip ISO 5211.....F10;F12;F14
- Greutate.....25kg

3. SIMBOLIZARE

NR 4ST(N4ST) – 300 – 13,2 / 90 – 71 - F12 / 1 / 30 – A – 1E

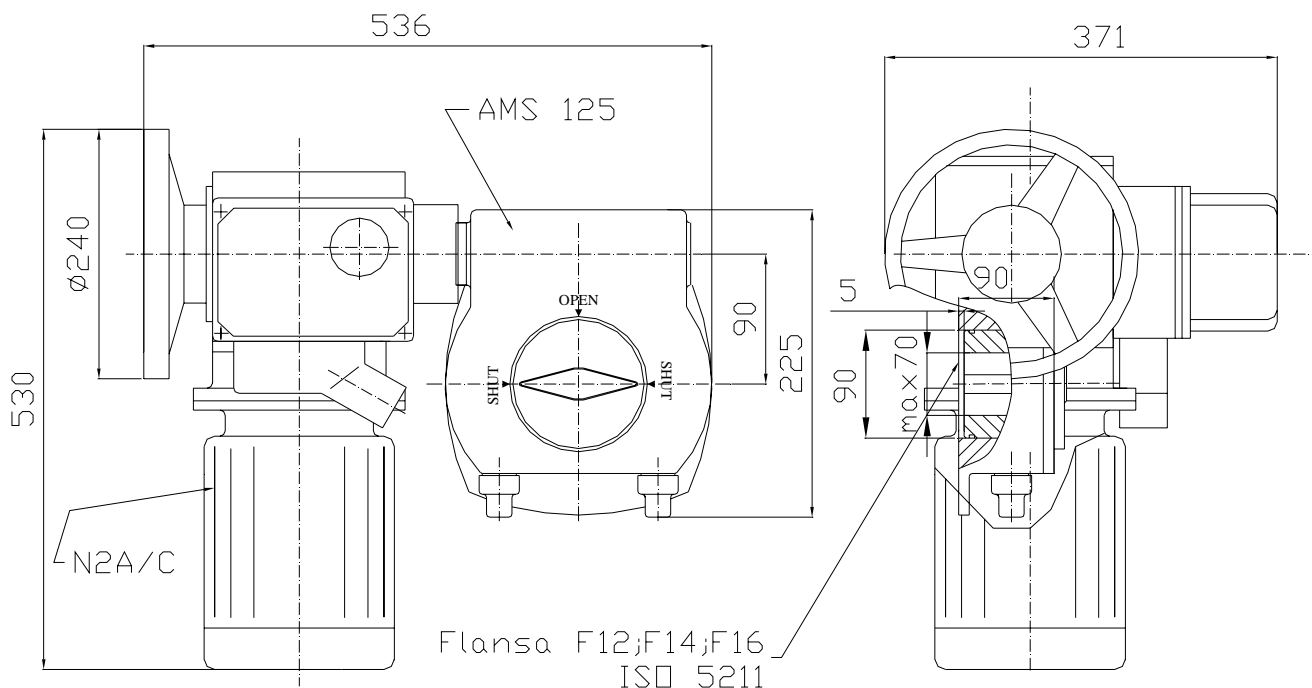
Tip si marime	Var. echipare
Moment iesire [N.m]	Poz. canal pana
Durata cursei [sec]	Cod dimensiune
Cursa [°]	Forma de antrenare
Gabarit motor	Flansa de prindere – ISO 5211

MECANISM DE ACTIONARE ELECTRICA "SFERT DE TURA
N R 5.2ST
(N 5.2ST)



NR.	1013a
Data	04.09.2006

1. Dimensiuni



2. Caracteristici

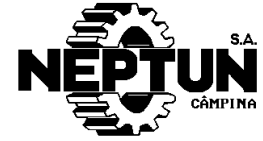
- Moment iesire.....1800 Nm
- Cursa.....90°
- Durata cursei..... 49 s
- Putere motor.....Pentru N R 5.2ST-0,8Kw
Pentru N 5.2 ST-0,75 Kw
- Turatie motor.....1500 rot/min
- Tip motor:CM (asincron monofazat);ASI-pentru N5.2ST
ASFM(asincron trifazat)-(120 actonari /ora) pentru NR5.2ST
- Prindere tip ISO 5211.....F12; F14;F16
- Greutate.....65kg

3. Simbolizare

NR 5.2ST(N5.2ST) – 1800 – 49 / 90 – 90 - F14 / 3 / 32 – – 3ET

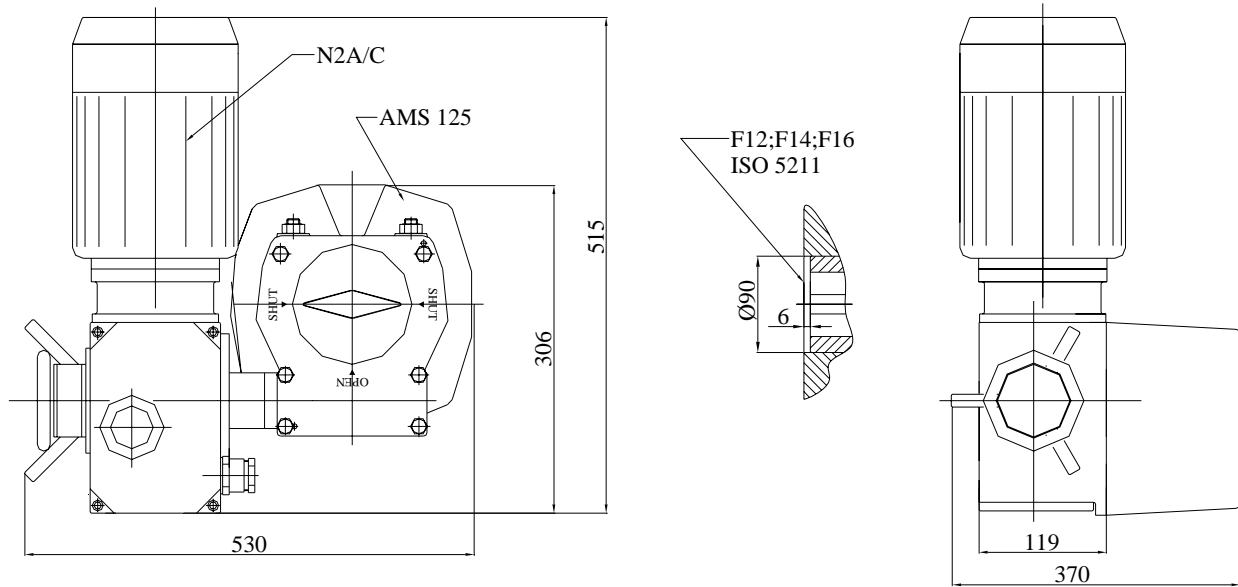
Tip si marime	Var. echipare
Moment iesire [N.m]	Poz. canal pana
Durata cursei [sec]	Cod dimensiune
Cursa [°]	Forma de antrenare
Gabarit motor	Flansa de prindere – ISO 5211

MECANISM SFERT DE TURA NR 6ST (N 6 ST)



NR.	514a
Data	04.09.2006

1. DIMENSIUNI



2. CARACTERISTICI TEHNICE

- Moment iesire.....2500 N.m
- Cursa.....90°
- Durata cursei.....37,5 sec
- Tip motor.....TAR-pentru NR 6ST
ASI-pentru N6ST
- Putere motor.....1,1 kW
- Turatie motor.....1500 rot/min
- Prindere tip ISO 5211.....F12;F14;F16
- Greutate.....70kg

3. SIMBOLIZARE

NR 6ST(N6ST) – 2500 – 37,5 / 90 – 90 - F12 / 1 / 30 – A – 1E

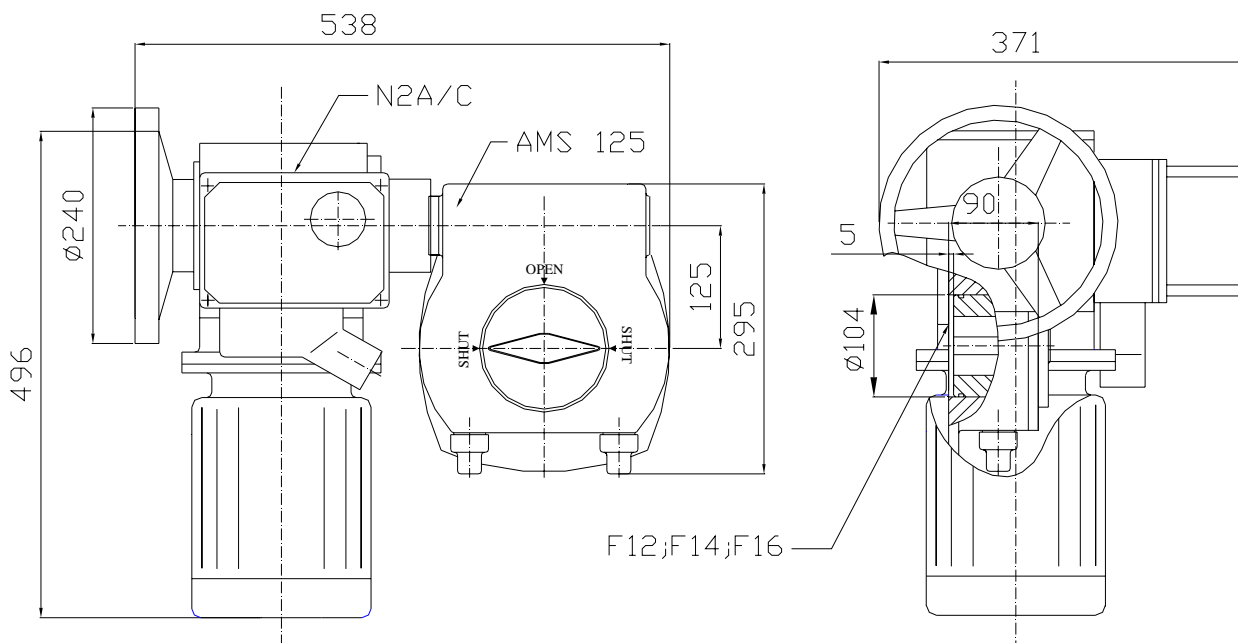
Tip si marime	Var. echipare
Moment iesire [N.m]	Poz. canal pana
Durata cursei [sec]	Cod dimensiune
Cursa [°]	Forma de antrenare
Gabarit motor	Flansa de prindere – ISO 5211

MECANISM DE ACTIONARE ELECTRICA
 “SFERT DE TURA
 NR 7ST
 (N 7 ST)



NR.	728a
Data	04.09.2006

1. Dimensiuni



2. Caracteristici Tehnice

- Moment iesire[N.m].....3200
- Cursa.....90°
- Durata cursei[sec]..... 43
- Tip motor.....TAR-pentru NR 7ST
ASI-pentru N 7ST
- Putere motor.....1,1 Kw
- Turatie motor[rot/min].....1500
- Prindere tip ISO 5211.....F12;F14;F16
- Greutate.....83kg

3. Simbolizare

NR 7ST(N7ST) – 3200 – 43 / 90 – 90 - F16 / 1 / 60 – A – 1E

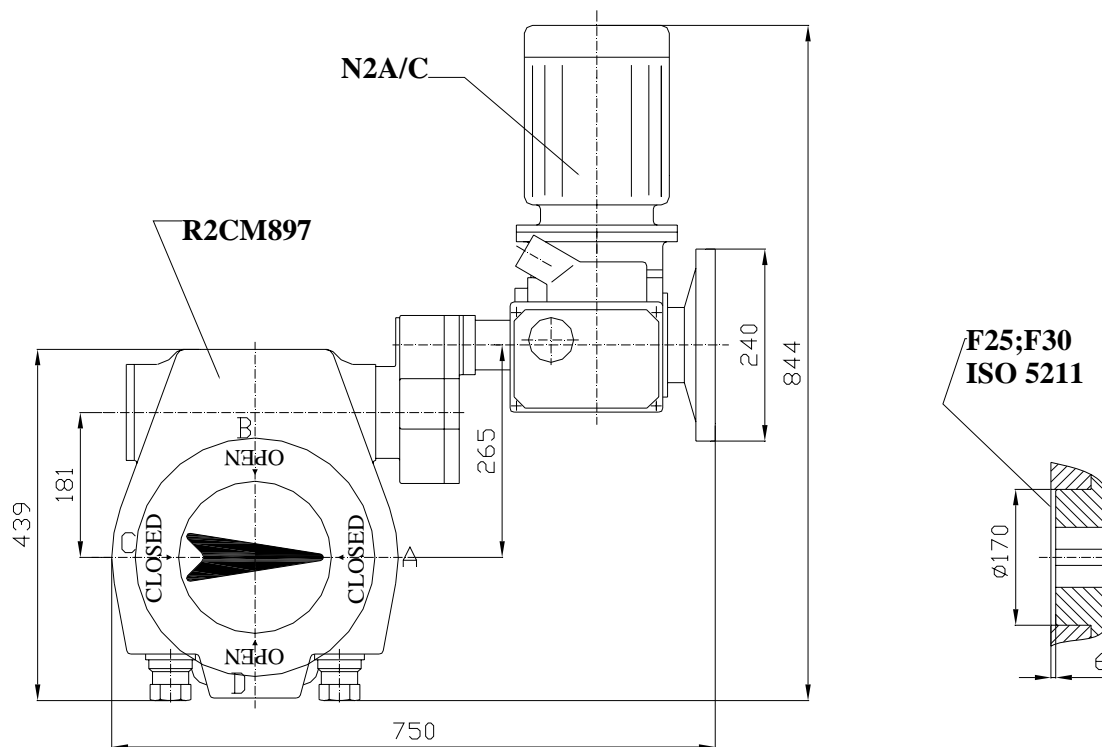
Tip si marime	Var. echipare
Moment iesire [N.m]	Poz. canal pana
Durata cursei [sec]	Cod dimensiune
Cursa [°]	Forma de antrenare
Gabarit motor	Flansa de prindere – ISO 5211

MECANISM DE ACTIONARE ELECTRICA
 “SFERT DE TURA
 NR 9ST
 (N 9 ST)



1. Dimensiuni

Nr	661b
Data	05.09.2006



2. Caracteristici tehnice

- Moment iesire..... 8000 | 6000 Nm
- Cursa.....90°
- Durata cursei.....63 sec
- Tip motor.....ASFM-pentru NR 9ST
ASI-pentru N 9ST
- Putere motor.....Pentru N 9ST....1,5 | 1,1 Kw
Pentru NR 9ST.....1,6 | 1,25 Kw
- Turatie motor.....1500 rot/min
- Flansa iesire ISO 5211.....F25
- Masa.....196 | 192 kg

3. Simbolizare :

NR 9ST(N9ST) - 8000 - 63 / 90 - 90 - F25 / 1 / 80 - A - 3E

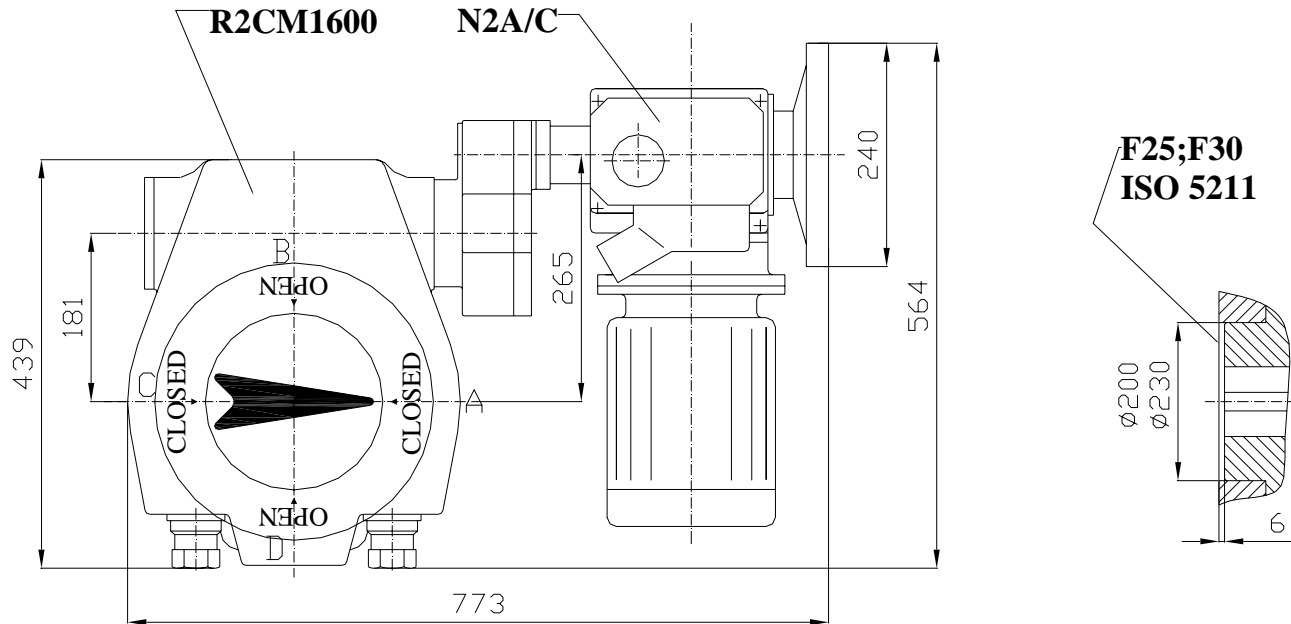
Tip si marime									Var. echipare
Moment iesire [N.m]									Poz. canal pana
Durata cursei [sec]									Cod dimensiune
Cursa [°]									Forma de antrenare
Gabarit motor									Flansa de prindere – ISO 5211

MECANISM DE ACTIONARE ELECTRICA
 "SFERT DE TURA
 NR 10ST
 (N 10ST)



1. Dimensiuni

Nr	1437b
Data	06.09.2006



2. Caracteristici tehnice

- Moment iesire.....10000 Nm
- Cursa.....90°
- Durata cursei.....114 sec
- Tip motor.....ASFM-pentru NR 10ST
ASI-pentru N 10ST
- Putere motor.....Pentru N 10ST....1,5 Kw
Pentru NR 10ST.....1,6 Kw
- Turatie motor.....1500 rot/min
- Flansa iesire ISO 5211.....F25
- Masa.....250 kg

3. Simbolizare :

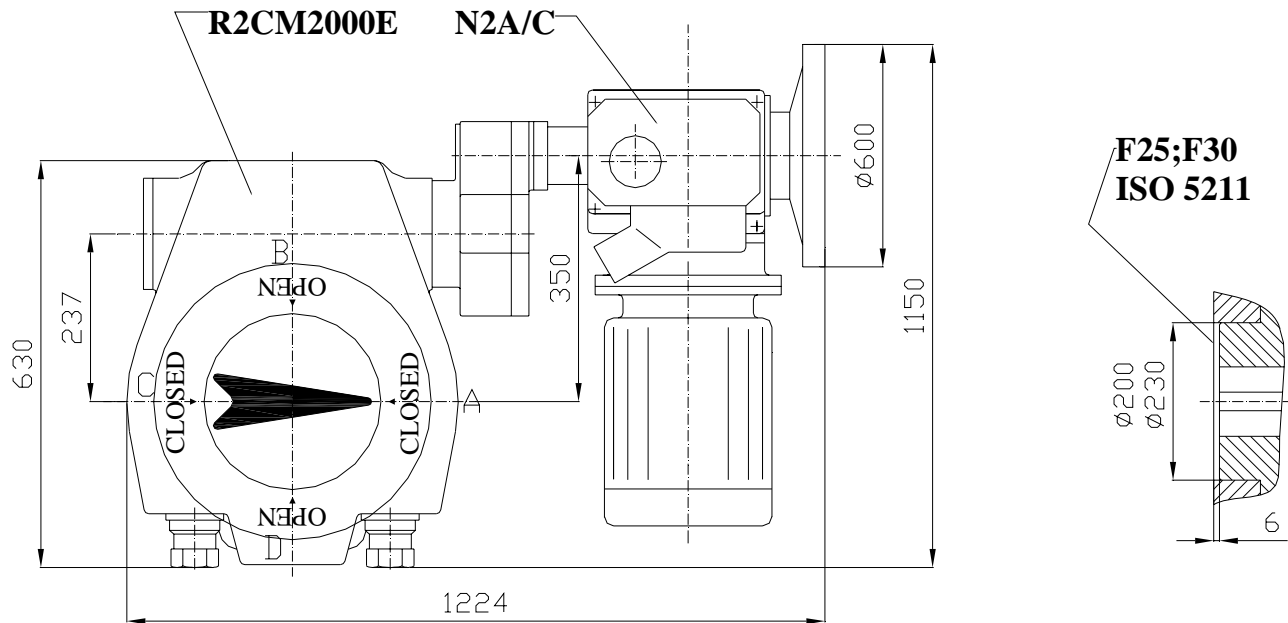
NR 10ST(N10ST)	-	10000	-	114	/	90	-	90	-	F25	/	1	/	80	-	A	-	3E
Tip si marime																		Var. echipare
Moment iesire [N.m]																		Poz. canal pana
Durata cursei [sec]																		Cod dimensiune
Cursa [°]																		Forma de antrenare
Gabarit motor																		Flansa de prindere – ISO 5211

MECANISM DE ACTIONARE ELECTRICA
 "SFERT DE TURA
 NR 11ST
 (N 11ST)



1. Dimensiuni

Nr	1438 b
Data	06.09.2006



2. Caracteristici tehnice

- Moment iesire.....16000 Nm
- Cursa.....90°
- Durata cursei.....152 sec
- Tip motor.....ASFm-pentru NR 11ST
ASI-pentru N 11ST
- Putere motor.....Pentru N 11ST...1,5 Kw
Pentru NR 11ST.....1,6 Kw
- Turatie motor.....1500 rot/min
- Flansa iesire ISO 5211.....F25
- Masa.....374 kg

3. Simbolizare :

NR 11ST(N11ST) - 16000 - 152 / 90 - 90 - F25 / 1 / 80 - A - 3E

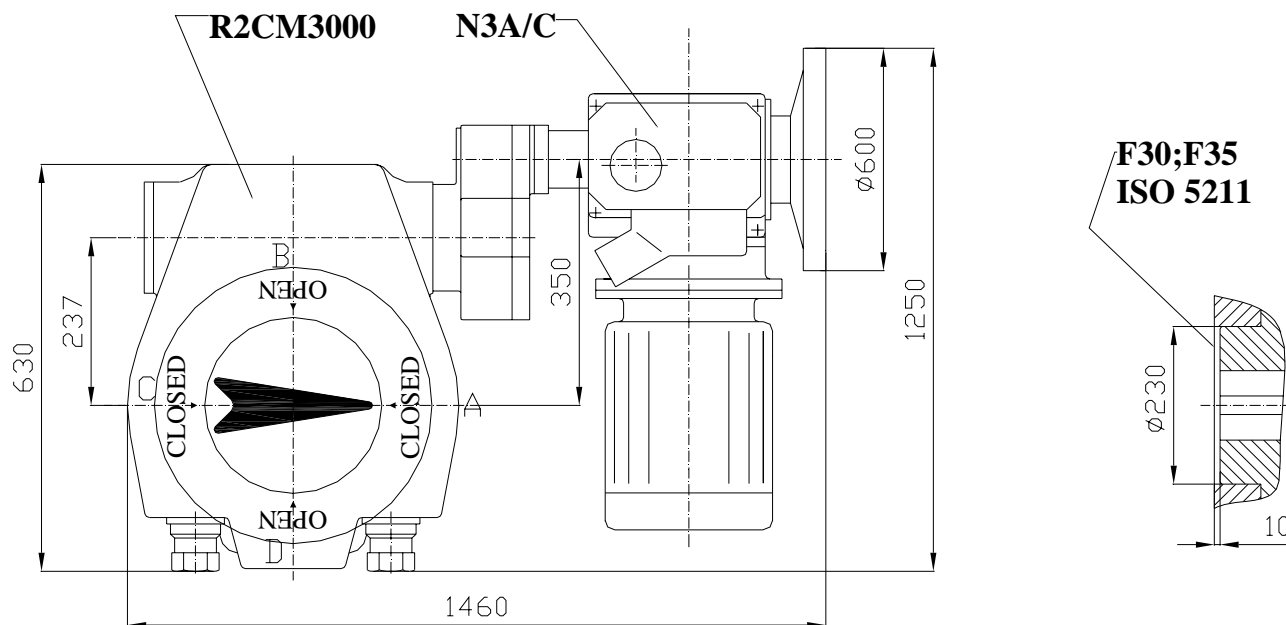
Tip si marime									Var. echipare
Moment iesire [N.m]									Poz. canal pana
Durata cursei [sec]									Cod dimensiune
Cursa [°]									Forma de antrenare
Gabarit motor									Flansa de prindere – ISO 5211

MECANISM DE ACTIONARE ELECTRICA
 "SFERT DE TURA
 NR 12ST
 (N 12ST)



1. Dimensiuni

Nr	99a
Data	08.09.2006



2. Caracteristici tehnice

- Moment iesire.....22300 Nm
- Cursa.....90°
- Durata cursei.....348 sec
- Tip motor.....ASFM-pentru NR 12ST
ASI-pentru N 12ST
- Putere motor.....4 Kw
- Turatie motor.....1500 rot/min
- Flansa iesire ISO 5211.....F25
- Masa.....435 kg

3. Simbolizare :

NR 12ST(N12ST) - 22300 - 348 / 90 - 112 - F30 / 1 / 80 - A - 3E

Tip si marime									Var. echipare
Moment iesire [N.m]									Poz. canal pana
Durata cursei [sec]									Cod dimensiune
Cursa [°]									Forma de antrenare
Gabarit motor									Flansa de prindere – ISO 5211