# Zahnradmotoren

– Serie XV –

Baugröße 2

| Bestellnr. | Typ | Code |
|---|---|---|
| Reversierbar | | |
| 018-130-01000 | XV2M/4-Ø82,5-SAEA-SCF.04-Leckö extern | X2M4131IRRE |
| 018-130-01050 | XV2M/6-Ø82,5-SAEA-SCF.04-Leckö extern | X2M4331IRRE |
| 018-130-01100 | XV2M/9-Ø82,5-SAEA-SCF.04-Leckö extern | X2M4531IRRE |
| 018-130-01150 | XV2M/11-Ø82,5-SAEA-SCF.04-Leckö extern | X2M4731IRRE |
| 018-130-01200 | XV2M/14-Ø82,5-SAEA-SCF.04-Leckö extern | X2M4931IRRE |
| 018-130-01250 | XV2M/17-Ø82,5-SAEA-SCF.04-Leckö extern | X2M5131IRRE |
| 018-130-01300 | XV2M/19-Ø82,5-SAEA-SCF.04-Leckö extern | X2M5331IRRE |
| 018-130-01350 | XV2M/22-Ø82,5-SAEA-SCF.04-Leckö extern | X2M5531IRRE |
| 018-130-01400 | XV2M/26-Ø82,5-SAEA-SCF.04-Leckö extern | X2M5731ISSE |
| 018-130-01450 | XV2M/30-Ø82,5-SAEA-SCF.04-Leckö extern | X2M5931ISSE |
| 018-130-01500 | XV2M/34-Ø82,5-SAEA-SCF.04-Leckö extern | X2M6131ISSE |
| 018-130-01550 | XV2M/40-Ø82,5-SAEA-SCF.04-Leckö extern | X2M6331ISSE |

2-Loch-SAE-A-Flansch -Bohrungsabstand = 106,4 mm / Rezess = Ø 82,5 mm mit O-Ring / Welle SAEJ498 -SCF.04 -d = Ø 15,45 mm z = 9
max. zulässiges Wellendrehmoment = 67,1 Nm / Ölanschlüsse = Flansch LK 35/40 seitlich



Hymatec-GmbH – Hebbelstraße 22 94315 Straubing
Tel.: 09421/1887797 – Fax: 09421/1887799 – Email: info@hymatec-gmbh.de – www.hymatec-gmbh.de

HYMATEC GMBH
HYDRAULIK MASCHINEN TECHNIK

# Umkehrmotor - Serie XV

**MOTOR TYP "SAE A"**
**FLANSCH ø82.5 - KEILWELLE**

**XV-2M**

| X | 2 | M | 51 | 31 | I | R | R | E |
|---|---|---|---|---|---|---|---|---|

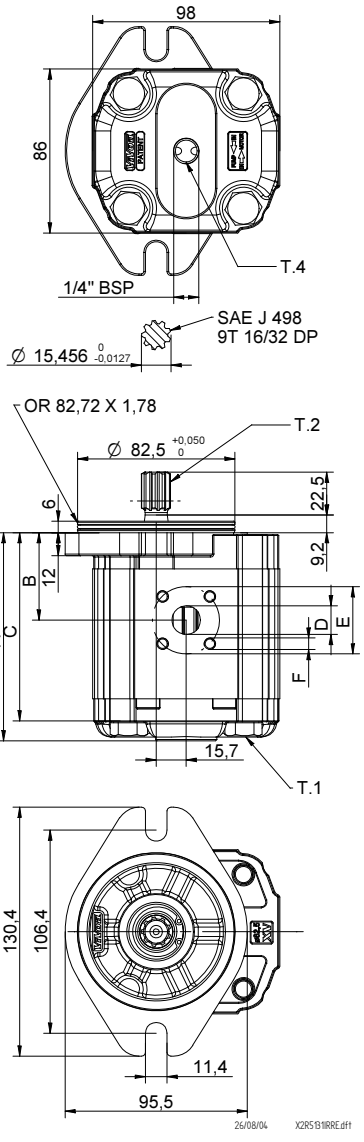
| | | | |
|---|---|---|---|
| Serie | | X | Serie XV |
| Gruppe | | 2 | Gruppe 2 |
| Kategorie | | M | Umkehrmotor |
| Hubraum | | 51 | 17 |
| Flansch | | 31 | Ø82.5 SAE A Drehrichtung umkehrbar (mit OR) |
| Welle | | I | SCF04 - genutet ø15.456 z=9, H=22.5 - SAE J498 9T 16/32DP |
| Gehäuse | IN | R | Ansaugung - Ø35 a 45° Ø15 M6 |
| | OUT | R | Druckseite - Ø35 a 45° Ø15 M6 |
| Deckel | | E | Mit Drainage aussen |

XM219

## Technische Datentabelle

| TYP | Hubraum | Maximaldruck | | CODE | |
|---|---|---|---|---|---|
| | cm3/u | P1 bar | P3 bar | Drainage aussen | Drainage innen |
| **XV-2M/04** | 4,20 | 260 | 300 | X 2 M 41 31 I R R E | X 2 M 41 31 I R R F |
| **XV-2M/06** | 6,00 | 260 | 300 | X 2 M 43 31 I R R E | X 2 M 43 31 I R R F |
| **XV-2M/09** | 8,40 | 260 | 300 | X 2 M 45 31 I R R E | X 2 M 45 31 I R R F |
| **XV-2M/11** | 10,80 | 260 | 300 | X 2 M 47 31 I R R E | X 2 M 47 31 I R R F |
| **XV-2M/14** | 14,40 | 250 | 290 | X 2 M 49 31 I R R E | X 2 M 49 31 I R R F |
| **XV-2M/17** | 16,80 | 230 | 270 | X 2 M 51 31 I R R E | X 2 M 51 31 I R R F |
| **XV-2M/19** | 19,20 | 210 | 250 | X 2 M 53 31 I R R E | X 2 M 53 31 I R R F |
| **XV-2M/22** | 22,80 | 200 | 240 | X 2 M 55 31 I R R E | X 2 M 55 31 I R R F |
| **XV-2M/26** | 26,20 | 170 | 210 | X 2 M 57 31 I S S E | X 2 M 57 31 I S S F |
| **XV-2M/30** | 30,00 | 160 | 200 | X 2 M 59 31 I S S E | X 2 M 59 31 I S S F |
| **XV-2M/34** | 34,20 | 150 | 190 | X 2 M 61 31 I S S E | X 2 M 61 31 I S S F |
| **XV-2M/40** | 39,60 | 140 | 180 | X 2 M 63 31 I S S E | X 2 M 63 31 I S S F |

*P1) Max. Betriebsdruck - P3) Max. Druckspitze*
*Für schwere Anwendungen empfiehlt sich eine Prüfung des zulässigen Wellendrehmoments*




## Dimensionstabelle

| TYP | Gewicht | A | B | C | D | E | F | D | E | F |
|---|---|---|---|---|---|---|---|---|---|---|
| | kg | mm | mm | mm | IN | | | OUT | | |
| **XV-2M/04** | 2,280 | 88,0 | 39,4 | 78,0 | ø15 | 35 | M6x1 | ø15 | 35 | M6x1 |
| **XV-2M/06** | 2,380 | 91,0 | 39,4 | 81,0 | ø15 | 35 | M6x1 | ø15 | 35 | M6x1 |
| **XV-2M/09** | 2,480 | 95,0 | 41,4 | 85,0 | ø15 | 35 | M6x1 | ø15 | 35 | M6x1 |
| **XV-2M/11** | 2,580 | 99,0 | 45,8 | 89,0 | ø15 | 35 | M6x1 | ø15 | 35 | M6x1 |
| **XV-2M/14** | 2,780 | 105,0 | 45,8 | 95,0 | ø15 | 35 | M6x1 | ø15 | 35 | M6x1 |
| **XV-2M/17** | 2,880 | 109,0 | 45,8 | 99,0 | ø15 | 35 | M6x1 | ø15 | 35 | M6x1 |
| **XV-2M/19** | 2,980 | 113,0 | 45,8 | 103,0 | ø15 | 35 | M6x1 | ø15 | 35 | M6x1 |
| **XV-2M/22** | 3,130 | 119,0 | 53,3 | 109,0 | ø15 | 35 | M6x1 | ø15 | 35 | M6x1 |
| **XV-2M/26** | 3,230 | 123,0 | 53,3 | 113,0 | ø20 | 40 | M6x1 | ø20 | 40 | M6x1 |
| **XV-2M/30** | 3,480 | 131,0 | 61,5 | 121,0 | ø20 | 40 | M6x1 | ø20 | 40 | M6x1 |
| **XV-2M/34** | 3,680 | 138,0 | 61,5 | 128,0 | ø20 | 40 | M6x1 | ø20 | 40 | M6x1 |
| **XV-2M/40** | 3,880 | 147,0 | 61,5 | 137,0 | ø20 | 40 | M6x1 | ø20 | 40 | M6x1 |

T.1 = 54÷58.9 [Nm] - Anzugsmoment - Schrauben M10
T.2 = 67.1 [Nm] - zulässiges Wellendrehmoment (N.B. Zur Auswahl der Welle stets das zulässige Drehmoment prüfen).
**T.4 = 0.3÷0,5 bar - Drainage Maximaldruck**



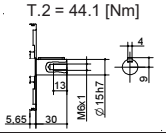
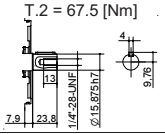
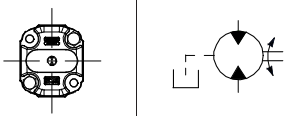
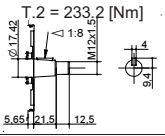
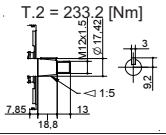
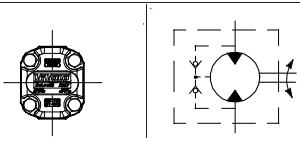
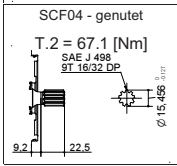
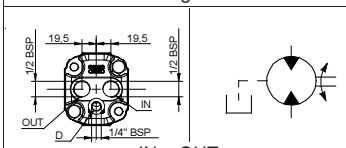
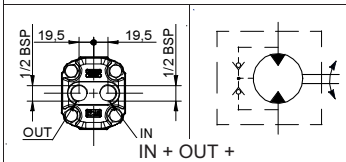
Hymatec-GmbH – Hebbelstraße 22 94315 Straubing
Tel.: 09421/1887797 – Fax: 09421/1887799 – Email: info@hymatec-gmbh.de – www.hymatec-gmbh.de

HYMATEC GMBH
HYDRAULIK MASCHINEN TECHNIK

# Tabelle der Varianten

## FLANSCH ø82.5

**XV-2M**

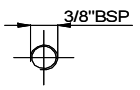
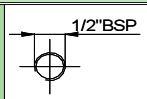
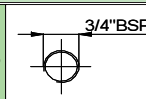
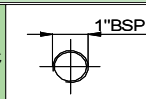
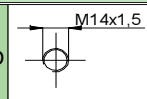
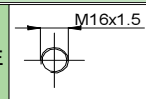
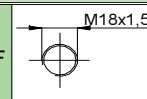
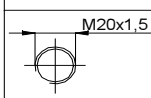
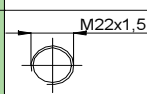
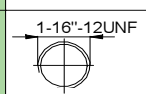
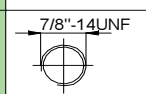
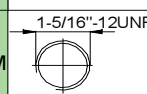
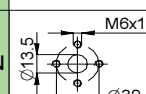
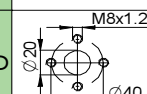
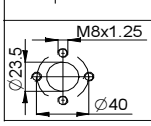
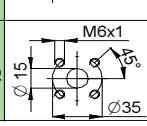
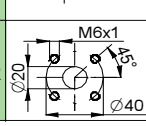
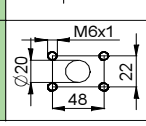
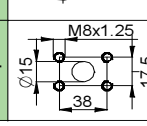
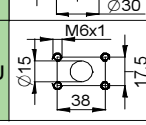
| FLANSCH ø82.5 | | Welle | | | | Deckel | |
|---|---|---|---|---|---|---|---|
|  | 31 | CI001 - Zylindrisch<br>T.2 = 44.1 [Nm]<br>  | A | CI002 - Zylindrisch<br>T.2 = 67.5 [Nm]<br>  | B |  <br>Drainage aussen | E |
|  <br>Ohne OR | 32 | CO001 - Konisch<br>T.2 = 233.2 [Nm]<br>  | E | CO002 - Konisch<br>T.2 = 233.2 [Nm]<br>  | F |  <br>Drainage innen | F |
| | | SCF04 - genutet<br>T.2 = 67.1 [Nm]<br>  | I | | |  <br>IN + OUT + | K |
| | | | | | |  <br>IN + OUT + | L |

| Hubraum | |
|---|---|
| TYP | CODE |
| XV-2M/04 | 41 |
| XV-2M/06 | 43 |
| XV-2M/09 | 45 |
| XV-2M/11 | 47 |
| XV-2M/14 | 49 |
| XV-2M/17 | 51 |
| XV-2M/19 | 53 |
| XV-2M/22 | 55 |
| XV-2M/26 | 57 |
| XV-2M/30 | 59 |
| XV-2M/34 | 61 |
| XV-2M/40 | 63 |

| Gehäuse Standard | | | | |
|---|---|---|---|---|
| Hubraum cm3/u | Standardgewinde | | | |
| 4 | O - O | R - R | B - B | Z - Z |
| 6 | O - O | R - R | B - B | Z - Z |
| 9 | O - O | R - R | B - B | Z - Z |
| 11 | O - O | R - R | B - B | Z - Z |
| 14 | P - P | R - R | C - C | Z - Z |
| 17 | P - P | R - R | C - C | Z - Z |
| 19 | P - P | R - R | C - C | Z - Z |
| 22 | P - P | R - R | C - C | Z - Z |
| 26 | Q - P | S - S | D - D | Z - Z |
| 30 | Q - P | S - S | D - D | Z - Z |
| 34 | Q - P | S - S | D - D | Z - Z |
| 40 | Q - P | S - S | D - D | Z - Z |

*Kombinationstabelle der lagermässig vorrätigen Standardgewinde und Anflanschungen*

## Gehäuse (Gewinde und Anflanschungen)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | A |  | B |  | C |  | D |  | E |  | F |  | G |
|  | H |  | I |  | L |  | M |  | N |  | O |  | P |
|  | Q |  | R |  | S |  | T |  | U |  | V | Gehäuse Geschlossen | Z |



Hymatec-GmbH – Hebbelstraße 22 94315 Straubing
Tel.: 09421/1887797 – Fax: 09421/1887799 – Email: info@hymatec-gmbh.de – www.hymatec-gmbh.de